DEPARTMENT OF THE NAVY FISCAL YEAR (FY) 2000/2001 BIENNIAL BUDGET ESTIMATES



JUSTIFICATION OF ESTIMATES FEBRUARY 1999

PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4

UNCLASSIFIED

Department of the Navy

Exhibit P-1

FY 2000/2001 Procurement Program

			(5077.350)	TOA, \$ IN MILLIONS									
INE		IDENT	(DOLLARS) FY 2000	FY 199		FY 19							
40		CODE	UNIT COST	QUANTITY	COST	QUANTITY	COST	~	COST	QUANTITY	COST		
BUDGET	ACTIVITY 04: Communications			uipment									
Repair	And Test Equipment												
20 4402	Auto Test Equip Sys	В			12.0		29.2		29.1		4.8		
21 4429	General Purpose Electronic 1	Ге А			8.6		9.2		7.9		8.3		
Intell/	Comm Equipment (NON-TEL)												
22 4620	Items under \$5 million (Comm	n			_		-		10.3		8.4		
3 4683	AN/TPQ-36 Fire Finder Radar	U A			.2		. 2		=		-		
4 4747	' Intelligence Support Equipme	en B			21.3		10.2		18.5		11.1		
5 4749	Mod Kits (Intel)	А			5.6		8.4		18.5		5.1		
6 4750	Items under \$5 million (Inte	el			_		-		2.1		. 4		
7 4751	Items Less Than \$2M (Intell)) A			.*		2.0		-		-		
epair	And Test Equipment (NON-TEL)												
28 4837	General Prupose Mechanical T	гм а			17.3		4.4		4.8		4.7		
ther C	domm/Elec Equipment (NON-TEL)												
9 4930	Night Vision Equipment	В			6.8		33.6		9.0		17.8		
ther S	Support (NON-TEL)												
0 4630	COMMON COMPUTER RESOURCES				-		-		102.8		88.0		
1 4631	. Command Post Systems	А			13.6		17.1		4.4		4.9		
00 4620	! Maneuver C2 Systems	В			7.2		22.4		6.8		9.9		

^{*} ITEMS UNDER \$50,000

UNCLASSIFIED

Department of the Navy

Exhibit P-1

FY 2000/2001 Procurement Program

APPROPRIATION: 1109N Procurement, Marine Corps DATE: February 1999

			(DOLLADG)					MILLIONS			Q
LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 2000 UNIT COST	FY 19		FY 19 QUANTITY		FY 20		FY 20 QUANTITY	2
33 463	3 Radio Systems	В			25.2		46.2		82.9		3.1 U
34 463	4 Comm Switching & Control S	yst B			43.1		75.4		65.1		14.2 U
35 463	5 Comm & Elec Infrastructure	Su A			63.4		89.9		81.8		58.3 U
36 463	6 Mod Kits MAGTF C41	В			23.6		33.8		13.8		30.9 U
37 463	7 Items < \$2M MAGTF C41	А			5.0		2.4		-		- U
38 463	8 Modification Kits (Other)	А			. 4		-		-		- U
39 463	9 Items < \$2M (Other)	А			4.2		4.3		-		- U
40 464	0 Air Operations C2 Systems	А			11.1		8.2		4.2		3.2 U
41 464	1 Intelligence C2 Systems				-		-		8.3		8.5 U
42 473	3 Fire Support System					_		_		_	12.5 U
TOTAL	Communications and Electron	ics Equip	pment		268.6		396.7		470.1		294.3

^{*} ITEMS UNDER \$50,000

UNCLASSIFIED

Department of the Navy

FY 2000/2001 Procurement Program - Reserve Component Exhibit P-1R

			4	TOA, \$ IN MILLIONS								
NE		IDENT	(DOLLARS) FY 2000	FY 19			FY 2000	FY 2001				
0	ITEM NOMENCLATURE	CODE	UNIT COST	QUANTITY	COST	QUANTITY COST	QUANTITY COST	QUANTITY COST				
	TIVITY 04: Communication	ons and El	ectronics Eq	uipment								
epair Ar	nd Test Equipment											
5 4429 0	General Purpose Electron	ic Te A			1.3	1.4	1.2	1.2				
ntell/Co	omm Equipment (NON-TEL)											
6 4683 A	N/TPQ-36 Fire Finder Rac	dar U A			.*	.*	-	-				
7 4747 I	Intelligence Support Equ	ipmen B			3.5	1.0	1.1	-				
her Com	nm/Elec Equipment (NON-T	EL)										
3 4930 N	Jight Vision Equipment(R	ESERV B			2.0	-	-	-				
her Sup	pport (NON-TEL)											
4630 C	COMMON COMPUTER RESOURCE	S(RES				-	.5	.6				
4631 0	Command Post Systems(RES	ERVE) A			2.4	1.6	-	-				
4632 M	Maneuver C2 Systems(RESE	RVE) B				4.7	-	1.6				
2 4633 F	Radio Systems(RESERVE)	В			-	4.4	8.2	-				
4634 0	Comm Switching & Control	Syst B			2.5	6.0	21.7	. 2				
4636 M	Mod Kits MAGTF C41(RESER	VE) B			. 4	.5	-	-				
4639 I	tems < \$2M (Other)(RESE	RVE) A			.1	.1	-	-				
4640 A	Air Operations C2 Systems	s(RES A			3.2	1.5	.8	.6				
4641 I	Intelligence C2 Systems()	RESER		_		-	.7	1.3				
)TAL Co	ommunications and Electro	onics Equi	pment		15.4	21.1	34.2	5.4				

* ITEMS UNDER \$50,000 UNCLASSIFIED

Procurement, Marine Corps Object Classification (in Thousands of dollars)

Identification code 17-1109-0-1-051	1998 actual	1999 est.	2000 est.	2001 est.
Direct obligations:				
125.101 Advisory and assistance services	7,624	6,179	5,819	4,639
Purchases goods/services from Government accounts				
125.303 Purchases from revolving funds	17,061	49,918	48,363	51,520
126.001 Supplies and materials	26,050	34,282	30,165	25,969
131.001 Equipment	439,495	729,270	982,196	1,035,185
199.001 Total Direct obligations	490,230	819,649	1,066,543	1,117,313
Reimbursable obligations:				
231.001 Equipment		9,400	9,400	9,400
299.001 Total Reimbursable obligations		9,400	9,400	9,400
999.901 Total obligations	490,230	829,049	1,075,943	1,126,713

Procurement, Marine Corps Program and Financing (in Thousands of dollars)

Budget Plan (amounts for PROCUREMENT actions programed)

		1 3	•	
Identification code 17-1109-0-1-051	1998 actual			2001 est.
Program by activities:				
Direct program:				
00.0201 Weapons and combat vehicles	33,472	103,716	113,302	146,168
00.0301 Guided missiles and equipment	60,365	86,839	96,468 470,141 282,827 137,024	60,285
00.0401 Communications and electronics equipment	268,620	396,708	470,141	294,266
00.0501 Support vehicles	38,609	156,099	282,827	463,516
00.0601 Engineer and other equipment	48,729	74,212	137,024	128,029
00.0701 Spares and repair parts			37,458	
00.9101 Total direct program	475,860		1,137,220	1,129,880
01.0101 Reimbursable program		9,400	9,400	9,400
10.0001 Total	475,860		1,146,620	
Financing:				
Offsetting collections from:				
11.0001 Federal funds(-)	-166	-9,400	-9,400	-9,400
14.0001 Non-Federal sources(-)	-1			
17.0001 Recovery of prior year obligations Unobligated balance available, start of year:				
21.4002 For completion of prior year budget plans				
21.4003 Available to finance new budget plans	-2,200			
21.4009 Reprograming from/to prior year budget plans	-4,480			
Unobligated balance available, end of year:				
24.4002 For completion of prior year budget plans				
25.0001 Unobligated balance expiring	4,480			
39.0001 Budget authority	473,493	856,516	1,137,220	1,129,880
Budget authority:				
40.0001 Appropriation	480,198	856,516	1,137,220	1,129,880
40.7601 Reduction pursuant to P.L. 105-56 (-), 8041	-8,905			
42.0001 Transferred from other accounts	2,200			
43.0001 Appropriation (adjusted)	473,493	856,516	1,137,220	1,129,880
Relation of obligations to outlays:				
71.0001 Obligations incurred				
72.4001 Obligated balance, start of year				
74.4001 Obligated balance, end of year				
77.0001 Adjustments in expired accounts (net)				
78.0001 Adjustments in unexpired accounts				

Procurement, Marine Corps Program and Financing (in Thousands of dollars)

Obligations

	cation code 17-1109-0-1-051	1998 actual			
	rogram by activities: Direct program:				
00.0201	Weapons and combat vehicles	30 867	146 245	111 936	120 112
00.0201	Guided missiles and equipment	62 676	69 472	111,836 90,440	67 040
00.0301	Communications and electronics equipment	248.888	371.863	452.267	296.773
00.0501	Support vehicles	79,383	125,333	251,607	450,043
00.0601	Engineer and other equipment	44,882	73,513	123,131	126,686
00.0701	Spares and repair parts	62,676 248,888 79,383 44,882 23,534	33,223	37,262	37,658
00.9101	Total direct program	490,230	819,649	1,066,543	1,117,313
01.0101	Reimbursable program			9,400	
10.0001	Total			1,075,943	
F	inancing:				
11 0001	Offsetting collections from:	1.55	0 400	0 400	0 400
	Federal funds(-)	-166	-9,400	-9,400	-9,400
	Non-Federal sources(-) Recovery of prior year obligations	-1 -46,354			
17.0001	Unobligated balance available, start of year:	-40,354			
21.4002	For completion of prior year budget plans	-137,290	-164 794	-201,661	-272,338
	Available to finance new budget plans	-2,200	101,751	201,001	272,330
	Reprograming from/to prior year budget plans	2,200			
22.1003	Unobligated balance available, end of year:				
24.4002	For completion of prior year budget plans	164,794	201,661	272,338	284,905
	Unobligated balance expiring	4,480			
39.0001	Budget authority	473,493	856,516	1,137,220	1,129,880
	Budget authority:				
40.0001	Appropriation	480,198	856,516	1,137,220	1,129,880
40.7601	Reduction pursuant to P.L. 105-56 (-), 8041	-8,905			
42.0001	Transferred from other accounts	2,200			
43.0001	Appropriation (adjusted)			1,137,220	
	elation of obligations to outlays:				
	Obligations incurred	490,063	819,649	1,066,543	1,117,313
	Obligated balance, start of year	719,673	583,057	1,066,543 846,331 -1,159,859	1,159,859
	Obligated balance, end of year	-583,057	-846,331	-1,159,859	-1,339,705
	Adjustments in expired accounts (net)	36,509			
78.0001	Adjustments in unexpired accounts	-46,354 			

Comparison of FY 1998 Program Requirements as Reflected in the FY 1999 Budget with the FY 1998 Requirements as shown in the FY 2000 Budget

Summary of Requirements (In Millions of Dollars)

DATE: February 1999

NOMENCLATURE	Total Program Requirements per FY 1998 Budget	Total Program Requirements per FY 1999 Budget	Increase or decrease (-)
			()
BA 2 WEAPONS & TRACKED COMBAT VEHICLES	30.4	33.5	3.1
BA 3 GUIDED MISSILES & EQUIPMENT	66.1	60.4	-5.7
BA 4 COMMUNICATIONS & ELECTRONICS EQUIPME	261.0	268.6	7.6
BA 5 SUPPORT VEHICLES	38.6	38.6	0.0
BA 6 ENGINEER & OTHER EQUIPMENT	50.8	48.7	-2.1
BA 7 SPARES & REPAIR PARTS	26.6	26.1	-0.5
Subtotal Direct Program	473.5	475.9	2.4
Reimbursable	9.4	9.4	0.0
Total Fiscal Year	482.9	485.3	2.4

Comparison of FY 1998 Program Requirements as Reflected in the FY 1999 Budget with the FY 1998 Requirements as shown in the FY 2000 Budget

Summary of Requirements (In Millions of Dollars)

2. Weapons and Tracked Combat Vehicles \$3.1

Changes were the result of reprogramming (\$2.5). The remainder is the result of minor execution adjustments (\$0.6)

3. Guided Missiles and Equipment (-\$5.7)

Changes were the result of reprogramming (-\$5.8). The remainder is the result of minor execution adjustments (\$0.1)

4. Communications and Electronics Equipment (\$7.6)

Changes were the result of reprogramming (\$6.8). The remainder is the result of minor execution adjustments (\$0.8)

- 5. Support Vehicles
- 6. Engineer and Other Equipment -\$2.1

Changes were the result of reprogramming (-\$2.0). The remainder is the result of minor execution adjustments (-\$0.1)

7. Spares and Repair Parts (-\$0.5)

All changes were the result of minor execution adjustments (-\$0.5)

Comparison of FY 1998 Financing as Reflected in the FY 1999 Budget with the FY 1998 Financing as shown in the FY 2000 Budget

Summary of Requirements (In Millions of Dollars)

Description	Financing per FY 1999 Budget	Financing per FY 2000 Budget	
Program Requirements (Total) (Total Direct) (Total Reimbursable)	473.5 (464.1) (9.4)	475.9 (466.5) (9.4)	
Less: Anticipated Reimbursements Appropriation Rescinded	9.4	9.4 0.0	

Add:

Transferred from other accounts

Appropriation (Adjusted)

Comparison of FY 1999 Program Requirements as Reflected in the FY 1999 Budget with the FY 1999 Requirements as shown in the FY 2000 Budget

Summary of Requirements (In Millions of Dollars)

DATE: February 1999

NOMENCLATURE	Total Program Requirements per FY 1999 Budget	Total Program Requirements per FY 2000 Budget	Increase or decrease (-)
BA 2 WEAPONS & TRACKED COMBAT VEHICLES	111.1	103.7	-7.4
BA 3 GUIDED MISSILES & EQUIPMENT	84.0	86.8	2.8
BA 4 COMMUNICATIONS & ELECTRONICS EQUIPMENT	318.5	396.7	78.2
BA 5 SUPPORT VEHICLES	141.5	156.1	14.6
BA 6 ENGINEER & OTHER EQUIPMENT	54.1	74.2	20.1
BA 7 SPARES & REPAIR PARTS	36.6	38.9	2.3
Subtotal Direct Program	745.9	856.5	110.6
Reimbursable	9.4	9.4	0.0
Total Fiscal Year	755.3	865.9	110.6

Comparison of FY 1999 Program Requirements as Reflected in the FY 1999 Budget with the FY 1999 Requirements as shown in the FY 2000 Budget

Summary of Requirements (In Millions of Dollars)

2. Weapons and Tracked Combat Vehicles -\$7.4

Modification Kits (Tracked Vehicles) received a Congressional increase of \$2.0M; Modification Kits (Artillery) received a Congressional increase of \$1.0M. and 155 Lightweight Towed Howitzer received a Congressional reduction of \$10M. The remainder is due to reprogramming and minor execution adjustments (-\$0.4).

3. Guided Missiles and Equipment \$2.8

The Pedestal Mounted Stinger program received a Congressional increase of \$3.0M. The remainder was due to reprogramming and minor execution adjustments (-\$0.2)

4. Communications and Electronics Equipment \$78.2

Communications and Electronics Equipment received Congressional increases of \$32.0M; Auto Test Equipment System received Congressional increases of \$9.9M; Command Post Systems received Congressional increases of \$9.9M; Modification Kits MAGTF C4I received Congressional increases of \$6.4M; Modification Kits (Intel) received Congressional increases of \$2.6M; Items Less Than \$2M (Intel) received Congressional increases of \$2.0M and Night Vision Equipment received Congressional increases of \$22.0M. The remainder was due to minor execution adjustments and reprogramming (-\$6.6)

5. Support Vehicles \$14.6

The Light Tactical Vehicle Remanufacture (LTVR) program received Congressional increase of \$29.9 and the Medium Tactical Vehicle Replacement (MTVR) received Congressional reduction of \$14.2M. The remainder was due to reprogramming and minor execution adjustments (-\$1.1).

6. Engineer and Other Equipment \$20.1

The Power Equipment Assorted program received Congressional increases of \$4.5M; Shop Eq Contact Maintenance received Congressional increases of \$2.4M; Command Support Equipment received Congressional increases of \$4.4M and Material Handling Equipment received Congressional increases of \$5.0M. The remainder was due to reprogramming and minor execution adjustments (\$3.8)

7. Spares and Repair Parts \$2.3

All changes were the result of minor execution adjustments \$2.3

Comparison of FY 1999 Financing as Reflected in the FY 1999 Budget with the FY 1999 Financing as shown in the FY 2000 Budget

Summary of requirements (In millions of Dollars)

	Financing	Financing	
	per	per	
Description	FY 1998 Budget	FY 1999 Budget	
Program Requirements (Total)	745.9	856.5	
(Total Direct)	(736.5)	(847.1)	
(Total Reimbursable)	(9.4)	(9.4)	

Less:

Anticipated Reimbursements Appropriation Rescinded

Add:

Transferred from Other Accounts

Appropriation (Adjusted)

Comparison of FY 1999 Financing as Reflected in the FY 1999 Budget with the FY 1999 Financing as shown in the FY 2000 Budget

Summary of Requirements (In Millions of Dollars)

Explanation of Changes

The increase in program financing represents Congressional Action of the FY 1999 President's Budget. Congressional Increases to high priority Marine Corps Program resulted in increases totaling \$110.7 million. In FY 1999 reductions totaling \$2.0 million were due to section 8108; \$1.14 million were due to section 8054.

							Date:						
	Exhibi	t P-40, Budget It	tem Justific	cation Sheet					February 1999				
Appropriation / Budget Activity	ty/Serial No:				P-1 Item Nomencla	ture:							
Procurement	t, Marine Corps (1109) / Communication	ions and Electronic Equipme	ent (4)		AUTO TEST EQUIP (P44419)								
Program Elements for Code E	3 Items:		Code:	Other Related Prog	ram Elements:								
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog		
Proc Qty	12	37	65	110	FT ZUU1	F1 2002	F1 2003	F1 2004	F1 2005	10 Complete	224		
Gross Cost	15.5	12.0	29.2	29.1	4.8						90.6		
Less PY Adv Proc													
Plus CY Adv Proc													
Net Proc (P-1)	15.5	12.0	29.2	29.1	4.8	0.0	0.0	0.0	0.0		90.6		
Initial Spares			1.2	1.0	3.2						5.4		
Total Proc Cost	15.5	12.0	30.4	30.1	8.0						96.0		
Flyaway U/C													
Wpn Sys Proc U/C													
replaceable units	Equipment: Third Eche s (RU) and circuit card S consists of hardware	assemblies (CCA	A). TETS pr	ovides for the							•		

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bud Procurement,	Marine Cor	/Serial No: ps (1109) / Commi ic Equipment (4)	unications and	P-1 Line Ite	m Nomenclature: AUTO TEST E	QUIP (P44419)		Weapon System	Туре:	Date: Feb	ruary 1999
Weapon System	ID		FY 98	11 11 1 1 1 1 1		FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
AN/USM-657 THIRD ECHELON TEST SYS TETS (BASIC) TETS RADIO FREQUENCY (RF)	A	2041 7933	10 27	204139 293816	1980 15715	10 55	198002 285722	7050 20413	37 73	190541 279633			
SPECIAL TEST EQUIPMENT OTHER SUPPORT FACTORY TRAINING TRAVEL ILS FIRST ARTICLE TEST-RF		100 1211 100 10 50 600			100 1290 100 10 50			100 1345 100 10 50					
CALIBRATION STANDARDS FOR EO OPTION													
TEST EQUIPMENT FOR EO REPAIRS													
TETS ELECTRO-OPTIC (EO)					10000								
TOTAL Active Reserve		12045 12045			29245 29245			29068 29068					
Note: FY 98 PMC dollars included in TMDE line will buy 24 electro-optics testheads for TETS. (Testheads are not a separate end item.) These testheads will be integrated with TETS basic units.													

Exhi	bit P-5a, Budget Procuremen	t History a	and Planning					Date:	February 1	1999
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electr Equipment (4)		Weapon Syst			P-1 Line Item	Nomenclature	e: UTO TEST EQUIP (P44419)		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
AN/USM-657 THIRD ECHELON TEST SYS										
TETS (BASIC)										
FY 98	Mantech Systems Engr Corp Chantilly, VA	O/FP	MCSC, Quantico, VA	Jun-98	Nov-98	10	204139	Y		N/A
FY 99	Mantech Systems Engr Corp Chantilly, VA	O/FP	MCSC, Quantico, VA	Nov-98	May-99	10	198002	Y		N/A
FY 00	Mantech Systems Engr Corp Chantilly, VA	O/FP	MCSC, Quantico, VA	Nov-99	May-00	37	190541	Y		N/A
TETS (RF) FY 98	Mantech Systems Engr Corp Chantilly, VA	O/FP	MCSC, Quantico, VA	Jun-98	Nov-98	27	293816	Y		N/A
FY 99	Mantech Systems Engr Corp Chantilly, VA	O/FP	MCSC, Quantico, VA	Nov-98	May-99	55	285722	Υ		N/A
FY 00	Mantech Systems Engr Corp Chantilly, VA	O/FP	MCSC, Quantico, VA	Nov-99	May-00	73	279633	Υ		N/A
TETS (EO) FY 99	Mantech Systems Engr Corp Chantilly, VA	O/FP	MCSC, Quantico, VA	Sep-99	Nov-99	VAR	VAR	Υ		N/A
REMARKS:										

Bli No. 440200 Item No. 20 Page 3 of 6

Exhibit P-20, Requ	iromonte S	tudy	Approriation/Budget A	Activity/Serial No:				Date:		
Exhibit F-20, Nequ	illelliellis 5	tudy	Procurer	ment, Marine Corps (1	109) / Communications	and Electronic Equip	ment (4)		Feb-99	
P-1 Line Item Nomenclature (Include	de DODIC for Ammu	nition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	AUTO TEST EQU	IP (P44419)			6	Months			6	Months
Line Descriptions			FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary			37	65	110					
Unit Cost			269.6	272.2	243.9					
Total Cost			9974.0	17695.0	26829.0					
Asset Dynamics										
Beginning Asset Position	on (FY 97 LR	IP)	12	12	74	157				
Deliveries from:	FY 1999	Funding		25	40					
Deliveries from:	FY 2000	Funding			43	67				
Deliveries from:	FY 2001	Funding								
Deliveries from Subseq	uent Years Fun	ds								
Other Gains				37						
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/	Attritions									
End of Year Asset Posi	tion		12	74	157	224				
Inventory Objective or Cur	rent Authorized	Allowance	227							
Inventory Objective	Ac	tual Training	Other tha	n Training	Disp	osals	Vehicles Eligible)	Aircraft:	
227		xpenditures		age	(Vehicle	s/Other)	for Replacemen	t	TOAI	
Assets Rqd for	98 thru		98 thru		98 thru				PAA:	
Combat Loads	FY XXXX		FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:	FY XXXX		FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:	FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX		FY XXXX		FY XXXX			•	Inactive Inv	
Total:									Storage	

Remarks: FY 98 PMC dollars included in TMDE line will buy 24 electro-optics testheads for TETS. (Testheads are not a separate end item). These testheads will be integrated with TETS basic units.

Further Note: Unit costs are weighted averages.

FY 00 / 01 BUDGET PRO	DUC	CTION SC	HED	ULE			P-1 It	em No	menc	:lature:		A	AUTO -	TEST	EQUI	P (P4	14419))					Date	ð.			Febr	uary 1	999		
				PROC	ACCEP.	BAL					Fisc	al \	ear 9	98									Fi			r 99					L
	М		S	QTY	PRIOR	DUE							C	Caler	ndar	Yea	ar 98							C	aler	ndar	Year	99			Α
COCT EL EMENTO	F R	FY	E R	Each	TO 1 OCT	AS OF 1 OCT	0 C	N O	D E	J A	Е	M A	Р	M A	J	Ŋ	A U G	S E P	O C T	N O V	D E C	J A	F E	Α	Р	M A Y	J	J	A U	S E	T E
COST ELEMENTS			V				Т	V	С	Ν	В	R	R	Υ	N	L	G	Р	Т	V	С	Ν	В	R	R	Υ	N	L	G	Р	R
AN/USM-657 THIRD ECHELON TEST S	SYS																														
Third Echelon Test System	1	FY 98	MC	37	0	37									Α					6	6	6	6	6	7						
,																									1						
																							1								
Third Echelon Test System	1	FY 99	MC	65	0	65														Α		-		-	╁	5	5	5	5	5	40
Tillia Ecileloii Test System	+ '	1133	IVIC	03	U	03									-					^`					1-	-	-	_	Ü		40
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	Exhib	it P-40, Budget I	tem Justific	cation Shee	:		Date:		February 1999		
Appropriation / Budget Activity/S	erial No:				P-1 Item Nomencla	iture:					
Procurement, Marin	ne Corps (1109) / Communication	s and Electronic Equipment	(4) / 018				GENERAL PURPOS	SE ELECTRONIC TE	EST EQUIP (P4458	8)	
Program Elements for Code B Ite	ems:		Code:	Other Related Pro	gram Elements:						
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost	29.9	8.4	9.2	7.9	8.3	8.1	8.4	8.7	9.1	Cont.	Cont.
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	29.9	8.4	9.2	7.9	8.3	8.1	8.4	8.7	9.1	Cont.	Cont.
Initial Spares	1.3	1.0	0.1	0.4	0.3					Cont.	Cont.
Total Proc Cost	31.2	9.4	9.3	8.3	8.6	8.1	8.4	8.7	9.1	Cont.	Cont.
Flyaway U/C											
Wpn Sys Proc U/C											

Funds allocated under this line are used to procure General Purpose Electronic Test Equipment (GPETE) items. Funds sustain modernization and standardization efforts, in addition to meeting new requirements. These GPETE items are required to support USMC weapon systems that utilize or consist of electronic components. USMC operating forces (Division and Wing) use GPETE items to test and measure the performance of their weapon systems to ensure they are operating properly and safely. USMC supporting maintenance forces, Force Service Support Group (FSSG) use GPETE items to test, troubleshoot, repair, and align broken weapon systems due to normal operational failures or due to combat damage. This GPETE is essential to the operational readiness of the Marine Corps for the installation, operation, and maintenance (preventive and routine) of electronic weapon systems and equipment in both the USMC operating forces (Div/Wing/FSSG) as well as the supporting establishment (Schools/Bases). (RCN: 045887)

This is a roll-up line that consists of many different items and separate acquisitions.

All of these items are required to support other Marine Corps systems already fielded or in the acquisition pipeline.

Exhibit P-5, Weapon		Appropriation/ Bud			151		m Nomenclature:			Weapon System	Туре:	Date:	1000
WPN SYST Cost Analysis		Procurement, N		s /Communication: quipment	s and Electronic	GENER	AL PURPOSE EL (P44	ECTRONIC TEST 588)	EQUIP			Febi	ruary 1999
Weapon System	ID	T . 10 .	FY 98	11.30	T . 10 .	FY 99	11.30	T . 10 . 1	FY 00	11.70	T . 10 .	FY 01	11.70
Cost Elements	CD	TotalCost \$000	Qty Each	UnitCost \$	TotalCost \$000	Qty Each	UnitCost \$	TotalCost \$000	Qty Each	UnitCost	TotalCost \$000	Qty Each	UnitCost \$
FUNCTION GENERATOR		235	100	2351	601	250	2403	605	250	2419	ΨΟΟΟ	Lacii	Ψ
POWER METER, CONTINUOUS WAVE (CW)		74	30	2455									ı
SIGNAL GENERATOR, RADIO FREQUENCY (RF)		536	50	10716									İ
PROTOCOL ANALYZER, LOCAL AREA NETWORK (LAN)		307	30	10236	427	40	10681	535	50	10699			İ
PROTOCOL ANALYZER, TELEPHONE (TEL)		452	20	22586	692	30	23083	694	30	23142			İ
HANDHELD BIT ERROR RATE TESTER (BERT)		307	100	3066	313	100	3133						İ
FREQUENCY COUNTER (CW)		133	30	4446	136	30	4544						İ
ANALYZER, SPECTRUM (RF)		200	25	8000	204	25	8176						İ
OSCILLOSCOPE		1756	200	8780	2280	250	9119	2281	250	9124			1
ADAPTER, CONNECTOR		135	50	2700	138	50	2759						İ
BATTERY TESTER		1030	208	4950	2305	460	5010						İ
ANALYZER POWER (HANDHELD)		116	50	2325	119	50	2374	121	50	2412			İ
TEST SET, RADIO		297	20	14833	455	30	15160	457	30	15220			İ
CABLE TESTER (LAN)		173	50	3460	173	50	3465	174	50	3470			İ
ANALYZER, TMDE SYSTEM (RF)		728	17	42850									İ
CONTROLER (LAB VOLT)		652	250	2608									1
TEST SET, TELCOM		486	50	9722	389	40	9729	389	40	9733			1
MULTIMETER					97	50	1945	195	100	1946			İ
OSCILLOSCOPE (HANDHELD)								1045	120	8708			İ
COMPUTER TEST EQUIPMENT		76	22	3455	76	22	3460						İ
FREQUENCY COUNTER (RF)								569	500	1138			l

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bud Procurement, M	Marine Corp	/Serial No: s /Communication quipment	s and Electronic			LECTRONIC TEST	EQUIP	Weapon System	Type:	Date: Feb	ruary 1999
Weapon System	ID		FY 98			FY 99	(* -		FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
SOFTWARE SUPPORT Operating Software Test Program Set, (TPS)/Gold Disks		293			338			339					
LOGISTICS SUPPORT Training Material Factory Training Tech Manuals Provisioning Data Acceptance Testing		450			475			460					
TOTAL Active Reserve		8435 7170 1265			9219 7843 1376			7863 6721 1142					

Exhibi	t P-5a, Budget Procurement	History a	nd Planning					Date:	February 1	1999
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps /Communications and Electronic Equipme		Weapon Syste				Nomenclature	e: OSE ELECTRONIC	TEST EC	QUIP (P44:	588)
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
FUNCTION GENERATOR										
FY 98	Hewlett Packard, Santa Clara, CA	MILSTRIP	Navy (NAVICP)	Mar-98	Apr-98	100	2351	Yes	N/A	N/A
FY 99	Hewlett Packard, Santa Clara, CA	MILSTRIP	Navy (NAVICP)	Jan-99	Apr-99	250	2403	Yes	N/A	N/A
FY 00	Hewlett Packard, Santa Clara, CA	MILSTRIP	Navy (NAVICP)	Jan-00	Apr-00	250	2419	Yes	N/A	N/A
POWER METER (CW) FY 98	Hewlett Packard, Santa Clara, CA	MILSTRIP	Navy (NAVICP)	Apr-98	May-98	30	2455	Yes	N/A	N/A
	, , , , , , , , , , , , , , , , , , , ,		, , , , , , , , , , , , , , , , , , , ,	1 4					1	,
SIGNAL GENERATOR (RF) FY 98	Hewlett Packard, Santa Clara, CA	C/FP	Navy (NAVICP)	Jun-98	Jan-99	50	10716	Yes	N/A	N/A
PROTOCOL ANALYZER (LAN)										
FY 98	Fluke, Everett, WA	MII STRIP	Navy (NAVICP)	Mar-98	May-98	30	10236	Yes	N/A	N/A
FY 99	Fluke, Everett, WA		Navy (NAVICP)		May-99	40	10681	Yes	N/A	N/A
FY 00	Fluke, Everett, WA		Navy (NAVICP)		May-00	50	10699		N/A	N/A
PROTOCOL ANALYZER (TEL)										
FY 98	W&G, Triangle Park, NC	MII STRIP	Navy (NAVICP)	Apr-98	Oct-98	20	22586	Yes	N/A	N/A
FY 99	W&G, Triangle Park, NC		Navy (NAVICP)	Jan-99		30	23083		N/A	N/A
FY 00	W&G, Triangle Park, NC		Navy (NAVICP)	Jan-00	,	30	23142		N/A	N/A
LIANDUELD DIT EDDOD DATE TESTED (BEDT)										
HANDHELD BIT ERROR RATE TESTER (BERT) FY 98	IDS, Lincoln, RI	MILSTRIP	LISMC	Mar-09	May-98	100	3066	Yes	N/A	N/A
FY 99	IDS, Lincoln, RI	MILSTRIP			May-99	100	3133		N/A	N/A
REMARKS:	IDO, LIIICOIII, KI	IVIILOTRIP	USIVIC	Jan-99	iviay-33	100	3133	169	IN/A	1 1/7

REMARKS:

	Exhibit P-5a, Budget Procurement	<u>History a</u>	nd Planning						February	1999
Appropriation / Budget Activity/Serial No:		Weapon Syste	em Type:		P-1 Line Item	Nomenclature	c			
Procurement, Marine Corps /Communications and Electro / P4458018	nic Equipment		•		GEI	NERAL PURPO	OSE ELECTRONIC	TEST EC	UIP (P44	588)
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue
Fiscal Years		and Type			Delivery	Each	\$		Avail	
FREQUENCY COUNTER (CW)										
FY 98	Hewlett Packard, Santa Clara, CA	MILSTRIP	Navy (NAVICP)	Mar-98	May-98	30	4446	Yes	N/A	N/A
FY 99	Hewlett Packard, Santa Clara, CA		Navy (NAVICP)	Jan-99		30	4544	Yes	N/A	N/A
ANALYZER, SPECTRUM (RF)										
FY 98	Anritsu, Morgan Hill, CA	MILSTRIP	Navy (NAVICP)	Jun-98	Dec-98	25	8000	Yes	N/A	N/A
FY 99	Anritsu, Morgan Hill, CA		Navy (NAVICP)	Jan-99	Apr-99	25	8176	Yes	N/A	N/A
OSCILLOSCOPE										
FY 98	Hewlett Packard, Santa Clara, CA	C/FP	Navy (NAVICP)	Apr-98	Jul-98	200	8780	Yes	N/A	N/A
FY 99	Hewlett Packard, Santa Clara, CA	MILSTRIP	Navy (NAVICP)	Jan-99	Apr-99	250	9119	Yes	N/A	N/A
FY 00	Hewlett Packard, Santa Clara, CA	MILSTRIP	Navy (NAVICP)	Jan-00	Apr-00	250	9124	Yes	N/A	N/A
ADAPTER, CONNECTOR										
FY 98	IFR, Wichita, KS	MIPR	Army, CECOM	Jun-98	Feb-99	50	2700	Yes	N/A	N/A
FY 99	IFR, Wichita, KS	MIPR	Army, CECOM	May-99		50	2759	Yes	N/A	N/A
BATTERY TESTER										
FY 98	Delta Chemtronics	MILSTRIP	Army	Apr-98	Jun-98	208	4950	Yes	N/A	N/A
FY 99	Delta Chemtronics	MILSTRIP	Army	Jan-99	Jul-99	460	5010	Yes	N/A	N/A
REMARKS:										

		Jun-98 Apr-99 Jan-00	Date of First Delivery Dec-98 Jul-99 May-00 Nov-98 Sep-99	QTY Each 50 50 50 50	OSE ELECTRONIC Unit Cost \$ 2325 2374 2412 14833 15160	Yes Yes Yes Yes	Date Revsn Avail N/A N/A N/A N/A	S588) RFP ISSUDATE N/A N/A N/A N/A N/A
C/FP MILSTRII MILSTRII And C/FP C/FP	Navy (NAVICP) P Navy (NAVICP) Navy (NAVICP) Navy (NAVICP) USMC	Jun-98 Apr-99 Jan-00 Jun-98 Apr-99	Date of First Delivery Dec-98 Jul-99 May-00 Nov-98 Sep-99	QTY Each 50 50 50 50	Unit Cost \$ 2325 2374 2412 14833 15160	Yes Yes Yes Yes	Date Revsn Avail N/A N/A N/A N/A	N/A N/A N/A
C/FP MILSTRII MILSTRII And C/FP C/FP	Navy (NAVICP) P Navy (NAVICP) Navy (NAVICP) Navy (NAVICP) USMC	Jun-98 Apr-99 Jan-00 Jun-98 Apr-99	Dec-98 Jul-99 May-00 Nov-98 Sep-99	50 50 50 20 30	\$ 2325 2374 2412 14833 15160	Yes Yes Yes Yes	N/A N/A N/A N/A N/A	N/A N/A N/A
C/FP MILSTRII MILSTRII and C/FP C/FP	Navy (NAVICP) Navy (NAVICP) Navy (NAVICP) USMC	Apr-99 Jan-00 Jun-98 Apr-99	Dec-98 Jul-99 May-00 Nov-98 Sep-99	50 50 50 20 30	2325 2374 2412 14833 15160	Yes Yes Yes	N/A N/A N/A N/A	N/A N/A
MILSTRII MILSTRII and C/FP C/FP	Navy (NAVICP) Navy (NAVICP) Navy (NAVICP) USMC	Apr-99 Jan-00 Jun-98 Apr-99	Jul-99 May-00 Nov-98 Sep-99	50 50 20 30	2374 2412 14833 15160	Yes Yes Yes Yes	N/A N/A N/A	N/A N/A
MILSTRII MILSTRII and C/FP C/FP	Navy (NAVICP) Navy (NAVICP) Navy (NAVICP) USMC	Apr-99 Jan-00 Jun-98 Apr-99	Jul-99 May-00 Nov-98 Sep-99	50 50 20 30	2374 2412 14833 15160	Yes Yes Yes Yes	N/A N/A N/A	N/A N/A
MILSTRII and C/FP	Navy (NAVICP) Navy (NAVICP) USMC	Jan-00 Jun-98 Apr-99	May-00 Nov-98 Sep-99	50 20 30	2412 14833 15160	Yes Yes Yes	N/A N/A N/A	N/A N/A
C/FP	USMC	Apr-99	Sep-99	30	15160	Yes	N/A	
C/FP	USMC	Apr-99	Sep-99	30	15160	Yes	N/A	
							-	N/A
C/FP	USIVIC	i Jan-uu			15000		I NI/A	N/A
1			Jun-00	30	15220	Yes	N/A	IN/A
CA MIDD	Nova (NAV/ICD)	Apr 09	lun 08	50	3460	Voc	NI/A	N/A
	7 1							N/A
, CA MIPR	Navy (NAVICP)			50			N/A	N/A
C/FP	GSA	Jan-98	Jun-98	17	42850	Yes	N/A	N/A
lo Alto, CA C/FP	MCSC, Quantico, VA	May-98	Jun-98	250	2608	Yes	N/A	N/A
,	C/FP	CA MIPR Navy (NAVICP) CA MIPR Navy (NAVICP) C/FP GSA	CA MIPR Navy (NAVICP) Jan-99 CA MIPR Navy (NAVICP) Jan-00 C/FP GSA Jan-98	CA MIPR Navy (NAVICP) Jan-99 Apr-99 Apr-00 C/FP GSA Jan-98 Jun-98	CA MIPR Navy (NAVICP) Jan-99 Apr-99 50 CA MIPR Navy (NAVICP) Jan-00 Apr-00 50 C/FP GSA Jan-98 Jun-98 17	CA MIPR CA Navy (NAVICP) Jan-99 Jan-99 Jan-99 Jan-99 Jan-90 Jan-00 50 Jan-90 Jan-90 Jan-90 Jan-90 Jan-90 Jan-90 Jan-90 Jan-98 Ja	CA MIPR CA Navy (NAVICP) Jan-99 Jan-99 Apr-99 Apr-00 50 3465 Yes CA MIPR Navy (NAVICP) Jan-90 Apr-00 50 3470 Yes C/FP GSA Jan-98 Jun-98 Jun-98 17 42850 Yes	CA MIPR Navy (NAVICP) Jan-99 Jan-99 Apr-99 S0 Jan-00 50 3465 Yes N/A N/A N/A CA MIPR Navy (NAVICP) Jan-90 Jan-00 50 3470 Yes N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A

	Exhibit P-5a, Budget Procurement	Tistory a	ing Flamming							
Appropriation / Budget Activity/Serial No:		Weapon Syst	em Type:		P-1 Line Item	Nomenclature	:			
Procurement, Marine Corps /Communications and Electron / P4458018	ic Equipment				GEN	NERAL PURPO	OSE ELECTRONIC	TEST EC	UIP (P44	588)
NBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issu Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
TEST SET, TELCOM FY 98	TTC, Germantown, MD	MIPR	Navy (NAVICP)	Apr 09	May-98	50	9722	Yes	N/A	N/A
- Y 98 - Y 99	TBD	C/FP	Navy (NAVICP)	Apr-99	Dec-99	50 40	9722	Yes	N/A N/A	N/A
=Y 00	TBD	MIPR	Navy (NAVICP)	Apr-00	Jun-00	40	9733	Yes	N/A	N/A
1 00	155	IVIII IX	ivavy (IVAVIOI)	Αρι-00	3011-00	40	9133	163	IN/A	IN/A
MULTIMETER										
FY 99	TBD	C/FP	Navy (NAVICP)	Mar-99	Aug-99	50	1945	Yes	N/A	N/A
=Y 00	TBD	MIPR	Navy (NAVICP)	Jan-00	Apr-00	100	1946	Yes	N/A	N/A
OSCILL OSCODE (HANDHELD)										
OSCILLOSCOPE (HANDHELD) FY 00	TBD	C/FP	TBD	Jan-00	Jul-00	120	8708	Yes	NI/A	N/A
-Y 00	IBD	C/FP	IBD	Jan-00	Jui-00	120	8708	res	N/A	IN/A
COMPUTER TEST EQUIPMENT										
FY 98	Sencore, Sioux, Falls, SD	C/FP	USMC	Apr-98	Jun-98	22	3455	Yes	N/A	N/A
=Y 99	Sencore, Sioux Falls, SD	C/FP	USMC	Mar-99	Jun-99	22	3460	Yes	N/A	N/A
FREQUENCY COUNTER (RF)										
FY 00	Hewlett Packard Santa Anna CA	Milstrip	Navy (NAVICP)	Jan-00	Jul-00	500	1138	Yes	N/A	N/A
REMARKS:										

FY 00 / 01 BUDGET PROD	UC	TION SC	HEDU	JLE			P-1 Ite	em No	menci		: NERAL	_ PUR	RPOSE	ELE	CTRO	NIC T	TEST E	QUIF	P (P44	588)			Date	ë:			Febr	uary 1	999		
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	Exhibi	it P-40, Budget I	tem Justific	cation Sheet			Date:		February 1999		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ature:					
Procurement, N	Marine Corps (1109) / Communicat	ions and Electronic Equipm	ent (4)				ITEMS UND	ER \$5 MILLION (CC	DMM & ELEC)		
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:						
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost				10.3	8.4	6.9	10.4	9.5	5.6		51.1
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)		0.0	0.0	10.3	8.4	6.9	10.4	9.5	5.6		51.1
Initial Spares											
Total Proc Cost				10.3	8.4	6.9	10.4	9.5	5.6		51.1
Flyaway U/C											
Wpn Sys Proc U/C											

This is a roll-up line which contains many different and unrelated items of equipment for which the annual procurement is less than \$5 Million each. The funds included in this budget line allow procurement of the following items. In FY 1998 and FY 1999, the programs below are under Items Less Than \$2 Million.

Joint Communications Support Element (JCSE) (463700) - this effort funds the Marine Corps share of efforts to keep the JCSE equipped with the latest state-of-the-art equipment to accomplish its Joint Staff Mission.

ADCP PIP (463700) - is a shelterized HMMWV mounted system that contains the necessary computer workstations and communications equipment to conduct air defense command, control, and communications operations.

Expeditionary Air Defense Systems (EADS) (CWAR) (463700) - system provides a lightweight, mobile and flexible target acquisition, and target cueing system, to the Marine Air Control Squadrons (MACS) platforms.

Power Supply Equipment (463900) - provides direct current (DC) voltage from an alternating current (AC) power source. This enables communication equipment to operate without batteries.

Tools, Sets, Kits & Chests (TSK&C) (463900) - provides general purpose tools and support items used to support the installation, operation, and maintenance of weapon systems.

Calibration Equipment (463900) - provides calibration equipment and materials required to calibrate, align, and maintain all Marine Corps test equipment, gauges, survey Instruments, etc. Smart work initiatives have been budgeted to improve efficiency of TMDE items resulting in operational support costs.

AN/TPQ-46 False Location Radar Mod (468300) - currently funds an effort to reduce false locations.

Night Vision Mod Line (493100) - Gen III tubes is a drop-in retrofit for the Gen II image intensification tubes found in the AN/PVS-7; Bioculars - device designed for use with the AN/TVS-5 (Night Vision Crew Served Weapon Sight); Light Interference Filter (LIF) - designed to go over the outside lens that protects the operator from incoming laser beams; and Retroreflection Defeating Filters - designed to go over the outside lens of both the AN/PVS-4 (Night Vision Individual Served Weapon Sight) and AN/TVS-5 (Night Vision Crew Served Weapon Sight).

Computer Assisted Logistics and Test Equipment Calibration System (CALTECS) (463900) - provides computer controlled calibration software and hardware to automate the tracking, repair, and calibration of test equipment.

Environmental Stabilization System (ESS) - ESS is a maintenance technology and readiness enhancement initiative which provides both a fully automated operational and long term preservation environment for the systems, equipment and materials associated with the Survey, Meteorological, and Counterfire Radar Sections of Marine Artillery Regiments. Smart work initiatives have been budgeted designed to reduce operational support costs

	F	xhihit	P-40a, Bu	daet Item	Justifica	tion for A	Aggregate		Date:		February 1999		
Appropriation / Budget Activity		AIIIDIC			- Custille		P-1 Item Nome				rebluary 1998	,	
Procurement, Marine Corps (1109) / Com	munications	and Elect	ronic Equipment (4)					ITEMS UNDER	R \$5 MILLION (C	OMM & ELEC)	
Procurement Items	Code	UOM	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Joint Communications Support Element (JCSE)	Α	D		0.0	0.0	0.3	0.3	0.4	0.4	0.4	0.4		2.2
		Q											
ADCP PIP	Α	D		0.0	0.0	0.3	0.3	0.2	0.1	0.1	0.0		1.0
		Q											
Expeditionary Air Defense Systems (EADS) (CWAR)	A	D		0.0	0.0	1.5	1.5	1.6	1.6	0.0	0.0		6.2
		Q											
Power Supply Equipment	A	D		0.0	0.0	2.0	1.9	0.0	0.0	0.0	0.0		3.9
		Q											
Tools, Sets, Kits & Chests (TSK&C)	A	D		0.0	0.0	0.7	0.7	1.1	3.1	5.1	1.1		11.8
		Q											
Calibration Equipment	A	D		0.0	0.0	2.1	2.1	2.2	2.3	2.3	2.4		13.4
		Q											
AN/TPQ-46 False Location Radar Mod	А	D		0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0		1.3
		Q											
Night Vision Mod Line	A	D		0.0	0.0	1.5	1.5	1.6	1.6	1.7	1.7		9.6
		Q											
CALTECS	A	D		0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0		0.9
		Q											
Environmental Stabilization System	A	D		0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0		1.0
		Q											

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	Exhibi	t P-40, Budget I	tem Justific	cation Sheet					9 9.4 Cont 9 9.4 Cont 1 0.4					
Appropriation / Budget Activity/	/Serial No:				P-1 Item Nomencla	ature:								
Procurement, Mar	rine Corps (1109) / Communications	s and Electronic Equipment	(4) / 020				INTELLIGENCI	E SUPPORT EQUIP	PMENT (P44257)					
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:									
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog			
Proc Qty			1											
Gross Cost	103.0	21.5	10.2	19.5	12.1	9.7	10.9	8.9	9.4	Cont	Cont			
Less PY Adv Proc														
Plus CY Adv Proc														
Net Proc (P-1)	103.0	21.5	10.2	19.5	12.1	9.7	10.9	8.9	9.4	Cont	Cont			
Initial Spares	6.6	3.2	9.9	3.8	3.6	3.3	1.6	2.1	0.4					
Total Proc Cost	109.5	24.7	20.1	23.3	15.7	13.0	12.5	11.0	9.8	Cont	Cont			
Flyaway U/C														
Wpn Sys Proc U/C											•			

This is a composite line of the intelligence equipment which includes:

Secondary Imagery Dissemination System (SIDS) - provides the MAGTF commander with the capability to collect, store, display, and transmit high priority reconnaissance imagery over organic MAGTF communications assets in near-real-time.

Trojan Spirit II - a mobile, stand alone SHF (C, Ku, and X) satellite communication processing system capable of providing secondary imagery products and secure, dial-up voice, data and facsimile communications to a worldwide internetwork of subscribers.

Intelligence Analysis System (IAS) (MEF) - will provide finished intelligence data to the commander in near-real-time, allowing himto act on intelligence, rather than react to events. The IAS consists of three subsystems: IAS (Suites), IAS (MEF), and IAS (Workstations).

Commanders Tactical Terminal (CTT) - a system which is part of the Intelligence Broadcast Receiver (IBR) which receives, decripts and processes near-real-time (NRT) intelligence reports simultaneou from multiple sources.

Radio Reconnaissance Equipment Program (RREP) - provides the FMF Radio Battalions, Radio Reconnaissance Platoons (RRP) with mission unique Signals Intelligence/Ground Electronic Warfare (SIGINT/EW) Equipment suites.

CI/HUMINT - will provide enhanced capability to collect, receive, process and disseminate counterintelligence (CI) interrogator-translator (IT) and human resources intelligence (HUMINT) from overt, sensitive, technical, tactical, CI/Force Protection and HUMINT operations in the service, joint and combined forces arenas

Exhibit P-40, Budget Item Justification Sheet	:	February 1999
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 020		INTELLIGENCE SUPPORT EQUIPMENT (P44257)
Portable SATCOM Radios - will decrease the load of a four man recon team while providing long ra	nge data burst transmission.	
Topographic Production Capability (TPC) - an advanced Geographic Information System which emprisualization by producing both hardcopy and digital geographic intelligence.	oloys commercial computer and	d software to provide the framework data for the common battlefield
Intelligence Broadcast Receiver (IBR) - provides the Marine Corps with a multi-service intelligence dissemination architecture panel.	dissemination interoperability in	to the next century, meeting criteria by the multi-service intelligence
Coastal Battlefield Reconnaissance and Analysis (COBRA) - a passivenultispectral sensor system of	capable of operating in a PIONE	EER unmanned aerial vehicle (UAV).
Tactical Remote Sensor System (TRSS) - will provide all weather direction, location determination, Interest.	targeting, and tactical indication	ns and warning of enemy activity in the Marine Commander's Area of
The TEG is a highly mobile imagery ground station designed to process tactical imagery in support System (JSIPS), complementing the capabilities of the JSIPS National Input Segment (NIS) located		ne system is an integral component of the Joint Service Imagery Processir
*FY 2000 - 2004 Tactical Exploitation Group decentralized funding for the JSIPS program is erroned	ously included in BA-7 spares.	

										Date:				
		Ex	hibit P-40a	a, Budge	t Item Jus	stification	n for Agg	regated It	tems			February 1999)	
Appropriation / Budget Activity								P-1 Item Nome	nclature:					
Procurement, Marine Corps (t				II	NTELLIGENCE :	SUPPORT EQU	JIPMENT (P442	57)	
Procurement Items	Code	UOM	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
SECONDARY IMAGERY DISSEMINATION SYSTEM	Α	D			3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0		3.9
TROJAN SPIRT II	Α	Q D			0.0	0.0	5.1	0.0	0.0	0.0	0.0	0.0		5.1
		Q					6							-
INTELLIGENCE ANALYSIS SYSTEM (MEF)	Α	D			9.6	10.2	0.0	0.0	0.0	0.0	0.0	0.0		19.7
COMMANDERS TACTICAL TERMINAL	Α	Q D			2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0		2.6
		Q			12									
RADIO RECONNAISSANCE EQUIP PROGRAM	Α	D			0.0	0.0	2.9	0.0	0.0	4.0	0.0	0.0		6.8
		Q					18			18				
CI/HUMINT	Α	D			4.6	0.0	3.0	0.0	0.0	0.0	0.0	0.0		7.6
PORTABLE RADIOS (PRC-138)	Α	Q D			0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.8
		Q												
TOPOGRAPHIC PRODUCTION CAPABILITY		D			0.0	0.0	0.0	7.3	6.7	4.0	1.6	0.6	Cont	Cont
INTELLIGENCE BROADCAST RECEIVER (IBR)	Α	Q D			0.0	0.0	1.5	3.9	0.0	0.0	0.0	0.0		5.4
		Q										0.0		
COASTAL BATTLEFIELD RECON ANALYSIS		D			0.0	0.0	0.0	0.0	0.0	0.0	4.4	8.8	Cont	Cont
		Q												
TACTICAL REMOTE SENSOR SYSTEM (TRSS)	Α	D			0.0	0.0	6.1	0.0	0.0	0.0	0.0	0.0		6.1
JSIPS TEG	Α	Q D			0.0	0.0	1.0	1.0	2.9	2.9	2.9	0.0		10.7
0011 0 120		Q			0.0	0.0	1.0	1.0	2.3	2.3	2.3	0.0		10.7

Exhibit P-5, Weapon WPN SYST Cost Analysis			Marine Cor	/Serial No: ps (1109) / Comm quipment (4) / 02			m Nomenclature: IGENCE SUPPO	RT EQUIPMENT (F	P44257)	Weapon System	Туре:	Date: Feb	ruary 1999
Managa Custom	ID		FY 98	equipment (4) / 02	20	FY 99		ī	FY 00		ī	FY 01	
Weapon Svstem Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
COSt Liements	OD	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
SECONDARY IMAGERY DISSEMINATION SYSTEM TROJAN SPIRT II INTELLIGENCE ANALYSIS SYSTEM (MEF)	A A A	3903 9617		7	10153		•	5129		Ť			*
COMMANDERS TACTICAL TERMINAL RADIO RECONNAISSANCE EQUIP	A	2580			10155			2861					
CI/HUMINT PORTABLE RADIOS (PRC-138)	A A	4600 792						2960					
TOPOGRAPHIC PRODUCTION CAPABILITY INTELLIGENCE BROADCAST RECEIVER TACTICAL REMOTE SENSOR SYSTEM	A							1474 6062					
JSIPS TEG	Α							980					
TOTAL ACTIVE		21492 18315			10153 9165			19466 18392					
RESERVES		3177			988			1074					

						Date:				
Exhibi	it P-40, Budget I	tem Justific	ation Shee	t				February 1999		
Serial No:				P-1 Item Nomencla	ature:	•				
ne Corps (1109) / Communication	s and Electronic Equipment	(4) / 020				TRO	OJAN SPIRT II (A44	104)		
ems:		Code:	Other Related Pro	gram Elements:						
		А								
Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
			6							8.0
7.5			5.1							12.6
7.5			5.1							12.6
7.5			5.1							12.6
4			q							4.6
r	erial No: the Corps (1109) / Communication the Corps (1109) / Com	erial No: the Corps (1109) / Communications and Electronic Equipment systems: Prior Years FY 1998 2 7.5 7.5 7.5 4 and Antenna is a ruggedized, HMMW\ meter triband SATCOM antenna, tra	erial No: the Corps (1109) / Communications and Electronic Equipment (4) / 020 sems: Code: A Prior Years FY 1998 FY 1999 2 7.5 7.5 7.5 4 and Antenna is a ruggedized, HMMWV-transportal meter triband SATCOM antenna, trailer, antenna	erial No: the Corps (1109) / Communications and Electronic Equipment (4) / 020 sems: Code: A Prior Years FY 1998 FY 1999 FY 2000 2 6 7.5 5.1 7.5 5.1 7.5 5.1 4 9 and Antenna is a ruggedized, HMMWV-transportable 6.1 meter meter triband SATCOM antenna, trailer, antenna control unit	Prior Years FY 1998 FY 1999 FY 2000 FY 2001 7.5 5.1 7.5 5.1 7.5 5.1 A Dither Related Program Elements: A Prior Years FY 1998 FY 1999 FY 2000 FY 2001 A Dither Related Program Elements: A Dither Related Pr	erial No: De Corps (1109) / Communications and Electronic Equipment (4) / 020 Dems: Code: A Other Related Program Elements: A Prior Years Prior Y	Exhibit P-40, Budget Item Justification Sheet erial No: the Corps (1109) / Communications and Electronic Equipment (4) / 020 TRUE TRUE Code: A Other Related Program Elements: A Prior Years FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 2 FY 2003 7.5 5.1 7.5 5.1 7.5 5.1 4 A Department of the prior Years of the Prior Years of the Prior	P-1 Item Nomenclature: P-1 Item Nomenclature:	P-1 Item Nomenclature: P-1 Item Nomenclature:	Exhibit P-40, Budget Item Justification Sheet erial No: te Corps (1109) / Communications and Electronic Equipment (4) / 020 TROJAN SPIRT II (A44104) TROJAN SPIRT II (A4410

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bud Procurement,	Marine Cor	//Serial No: rps (1109) / Comm Equipment (4) / 02	nunications and	P-1 Line Ite	m Nomenclature: TROJAN SPI	RT II (A44104)		Weapon System	Туре:	Date: Feb	ruary 1999
Weapon System	ID		FY 98	- quipo (1) / 02		FY 99		I	FY 00		I	FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
Oost Elements		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Antenna-66AS-2	А							5129		854833			
TOTAL Active Reserve								5129 5129					

								Date:		
	P-5a, Budget Procurement I							1'	February 1	1999
Appropriation / Budget Activity/Serial No:		Weapon Syste	em Type:		P-1 Line Item	n Nomenclatur	e:	-		
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 020							TROJAN SPIRT II (A	144104)		
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date	RFP Issue
Fiscal Years	1	Method and Type			Delivery	Each	\$	Avaii?	Revsn Avail	Date
Antenna-66AS-2	+	una typo		+	Donvor	Luon	<u> </u>	+	7.14011	
	USA CECOM Ft Monmouth, NJ	FFP	USA CECOM	Jan-00	Jun-00	6	854833	Yes	No	N/A
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REMARKS:										
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Exhibit P-20,	Poquiron	nonte St	udv	Approriation/Budget	Activity/Serial No:				Date:		
EXHIBIT P-20,	, Kequirei	nems si	uuy	Procureme	nt, Marine Corps (110	9) / Communications ar	nd Electronic Equipm	ent (4) / 020		February 1999	
P-1 Line Item Nomenclat	ture (Include DOD	DIC for Ammun	ition Items):		Admin Leadtime (aft	ter Oct 1):			Prod Leadtime:		
INTELLIG	SENCE SUPPOR	T EQUIPMENT	(P44257)	Trojan Spirit II		3	Months			Ę	Months
Line Descriptions				FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary						6					
Unit Cost						854.8					
Total Cost						5129.0					
Asset Dynamics											
Beginning Asse	et Position			2	2	2 2		8	3 8	3 8	В
Deliveries from:	:	FY 1999	Funding								
Deliveries from:	: 1	FY 2000	Funding			6					
Deliveries from:	: 1	FY 2001	Funding								
Deliveries from	Subsequent	Years Fund	ls								
Other Gains											
Combat Losses	5										
Training Losses	S										
Test Losses											
Other Losses											
Disposals/Retire	ements/Attriti	ons									
End of Year As	set Position			2	2	2 8	:	8	3	3 8	В
Inventory Objective	e or Current A	Authorized A	Allowance								
Inventory Ob	ojective	Actu	ual Training	Other that	an Training	Disp	osals	Vehicles Eligible	e	Aircraft:	
8	,		penditures	Us	age	(Vehicle	es/Other)	for Replacemen		TOAI	
Assets Rqd for	!	98 thru		98 thru		98 thru		· ·		PAA:	
Combat Loads	1	FY XXXX		FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:		FY XXXX		FY XXXX		FY XXXX			•	Inactive Inv	
Total:										Storage	

FY 00 / 01 BUDGET PROD	UC	TION SC	HED	ULE			P-1 Ite	em Noi	mencia	ature:			TROJA	AN SP	IRT II	(A44	104)						Date:				Febr	uary 1	999		
				PROC	ACCEP.	BAL					Fisc	al Y	ear (Fis	scal	Yea	r 01					L
	М		S	QTY	PRIOR	DUE							С	alen	dar `	Yea	r 00							С	alen	dar `	Year	01			Α
	F	FY	E	Each	TO	AS OF	0	N	D	J		М				J	Α	S	0 C	Ν	D	J	F	M		М	J	J		S	Т
COST ELEMENTS	R		R V		1 OCT	1 OCT	C T	O V	E C	A N			P R			U	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	E R
TROJAN SPIRIT II	1	00	М	6	0	6				Α		Ħ			6																
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F						REACHED	Num	ber					Prior	1 Oct	i.	Afte	r 1 Oc	t.	Afte	er 1 O	ct.	Af	ter 1 C	Oct.	* C	Classifi	ed: Ur	availa	ble at th	his tim	ie.
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1 USA CECOM FT MONMOUTH, NJ		*		*	*		1		REOR																1						
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	Exhibi	it P-40, Budget I	tem Justifi	cation Sheet	t				February 1999		
Appropriation / Budget Activity	/Serial No:				P-1 Item Nomencla	ature:					
Procurement, Ma	rine Corps (1109) / Communication	s and Electronic Equipment	(4) / 020				RADIO RECONNA	ISSANCE EQUIP P	ROGRAM (A44435)	
Program Elements for Code B	Items:		Code:	Other Related Pro	gram Elements:						
1			Α								
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty	18			18			18				54
Gross Cost	2.7			2.9			4.0				9.7
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	2.7			2.9			4.0				9.7
Initial Spares											
Total Proc Cost	2.7			2.9			4.0				10.1
Flyaway U/C											
Wpn Sys Proc U/C							.2				

The Radio Reconnaissance Equipment Program (RREP) provides the FMF Radio Battalions, Radio Reconnaissance Platoons (RRP) with mission unique Signals Intelligence/Ground Electronic Warfare (SIGINT/EW) Equipment suites. Continuing with an evolutionary acquisition approach, the second suite RREP-SS-2 will provide the RRPs with the capability to conduct SIGINT/EW operations in support of Marine Air Ground Task Force (MAGTF) Commanders during advance force, special operations, and other special purpose missions where the use of conventional Radio Battalion assets are not feasible. RREP-SS-2 is a ruggedized, modular, man packable system specifically designed utilizing emerging NDI/COTS technology for RRP operations, particularly those conducted under the most austere conditions. The RREP-SS-2 module configuration has an "open systems" architecture that will permit future upgrades by simply installing cutting edge NDI/COTS technology into the standard modules. The third suite, RREP-SS-3, to be fielded in FY04, will have the added capability to intercept those emerging target sets as identified by the NSA, be operated from remoted positions, and incorporate polymer battery technologies.

	Exhib	it P-40, Budget I	tem Justific	cation Shee	t		Date:		February 1999		
Appropriation / Budget Activity/Se	erial No:				P-1 Item Nomencla	iture:					
Procurement, Marin	ne Corps (1109) / Communication	s and Electronic Equipment	(4) / 020				(CI/HUMINT (A443X)	()		
Program Elements for Code B Ite	ems:		Code:	Other Related Pro	gram Elements:						
			Α								
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty		24									24
Gross Cost		4.6		3.0							7.6
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)		4.6		3.0							7.6
Initial Spares											
Total Proc Cost		4.6		3.0							7.6
Flyaway U/C											0.3
Wpn Sys Proc U/C		.2									.3

Counterintelligence and Human Intelligence Equipment Program (CIHEP) is a Multi-Service/Agency suite of equipment (NDI/COTS/GOTS). CIHEP will provide enhanced capability to collect, receive, process and disseminate counterintelligence (CI), interrogator-translator (IT) and human resources intelligence (HUMINT) from overt, sensitive, technical, tactical, CI/Force Protection and HUMINT operations in the service, joint and combined forces arenas. CIHEP will replace outdated equipment currently used by Fleet Marine Force CI and IT teams. The suite consists of computer hardware/software, video/camera equipment, audio/communications equipment and other ancillary items.

***Note: Starting in FY00 procurement of all computer workstations and servers are centrally procured under BLI 463000 (CCR). Policy is in accordance with CMC-C4I Green Letter No. 5-98 dated 11 Jun 98. The following amounts are for this project:

Workstations FY00 FY01 FY02 FY03 FY04 FY05 QTY 42 \$ 0.285

							Date:				
	Exhibi	t P-40, Budget I	tem Justific	cation Sheet					February 1999		
Appropriation / Budget Activity	/Serial No:				P-1 Item Nomencla	ature:					
Procurement, Ma	rine Corps (1109) / Communications	s and Electronic Equipment	(4) / 020				INTELLIGENCE BI	ROADCAST RECEIV	/ER (IBR) (A445XX	()	
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:						
	T = T									1	
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty				7	20						27
Gross Cost				1.5	3.9						5.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)				1.5	3.9						5.4
Initial Spares											
Total Proc Cost				1.5	3.9						5.4
Flyaway U/C											0.2
Wpn Sys Proc U/C				.2	.2						.2

The Marine Corps Intelligence Broadcast Receiver (IBR) program consists of two systems: the AN/USC-55, commonly referred to as the Commanders' Tactical Terminal Three-Channel (CTT3) and the Joint Tactical Terminal. These IBR systems receive, decrypt and process near-real time intelligence data simultaneously from the multiple sources of: Tactical Intelligence Broadcast Service, Tactical Data Dissemination System, Tactical Data Information Exchange System B and the Tactical Reconnaissance Information Exchange System supporting the Army Guardrail Common Sensor program. The Marine Corps IBR systems will provide intelligence data to the command, control and intelligence elements of the Marine Air-Ground Task Force. The Marine Corps completed procurement of CTT3 systems during FY97 and is now procuring Joint Tactical Terminals through the U.S. Army, PM JTT as replacements for the lesser capable CTT3 systems.

	Exhib	it P-40, Budget I	tem Justific	cation Sheet			Date:		February 1999		
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomencla	iture:	•				
Procurement, Mari	ne Corps (1109) / Communication	ns and Electronic Equipment	(4) / 020				TACTICAL RE	EMOTE SENSOR S	YSTEM (TRSS)		
Program Elements for Code B It	tems:		Code:	Other Related Pro	gram Elements:						
			А								
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost				6.1							6.1
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)				6.1							6.1
Initial Spares											
Total Proc Cost				6.1							6.1
Flyaway U/C											
Wpn Sys Proc U/C											

Tactical Remote Sensor Systems (TRSS) will provide all weather direction, location determination, targeting, and tactical indications and warning of enemy activity in the Marine Commander's Area of Interest. TRSS is located in the Sensor Control and Management Platoon (SCAMP) in each MEF. Deficiencies resulting from the continuous "no funding" for FY98 and FY00 associated with the TRSS Project are mounting. Losses to the TRSS project greatly jeopardize this systems abilities to support the Fleet Marine Force. The shortages of Repeaters, Air Delivered Sensors (ADS), extended life Battery Boxes, ADS batteries, Test Sets, Hardware, and an adequate Depot Maintenance Float threaten the SCAMPs ability to provide the required operational mission support necessary for the FMF. The ability for cost savings "smart Buys" has been greatly effected. Recently the lack of appropriated funding resulted in losing the ability for such cost savings with necessary items like the Repeaters ADS, and extended life sensor battery boxes, as well as the loss of a firm-fixed price contract. Contract and production facilities are already in place for the majority of the components described above. A re-compete on the existing contracts for the re-procurement of the required equipment will expend valuable time and scarce resources needlessly, not to mention the continuing reduction in operational effectiveness. Funding to resolve these issues brings the SCAMP Platoons to a capable operational status.

***Note: Starting in FY00 procurement of all computer workstations and servers are centrally procured under BLI 463000 (CCR). Policy is in accordance with CMC-C4I Green Letter No. 5-98 dated 11 Jun 98. The following amounts are for this project:

Workstations FY00 QTY 50 \$ 0.300

Bli No. 474700

Exhibit P-40.

Weapon System 10	Exhibit P-5, Weapon	Appropriation/ Bu	-		P-1 Line Ite	m Nomenclature:			Weapon System	Туре:	Date:	4000
Cost Elements	WPN SYST Cost Analysis	Procurement			TACTI	CAL REMOTE SE	ENSOR SYSTEM (TRSS)			Feb	uary 1999
\$000 Each \$ 000 \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 Each \$ 000 Each \$ 000	Weapon System											
Air Delivered Sensors (ADS) ADS Batteries Enhanced Battery Box Test Sets DMF Basic Buyout Program Support Integrated Logistics Support TOTAL ACTIVE ADS Batteries 3056 332 9205 498 1155 432 700 518 1351 75000 183 9000 1	Cost Elements CD											
ADS Batteries		\$000	Each	\$ \$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Enhanced Battery Box Test Sets DMF Basic Buyout Program Support Integrated Logistics Support TOTAL ACTIVE ACTIVE	Air Delivered Sensors (ADS)						3056	332	9205			İ
Fest Sets DMF Basic Buyout Program Support Integrated Logistics Support FOTAL ACTIVE 825 11 75000 6062 6062 6062	ADS Batteries						498	1155	432			l
DMF Basic Buyout Program Support Integrated Logistics Support FOTAL ACTIVE 183 300 6062 6062 6062	Enhanced Battery Box						700	518	1351			İ
Program Support Integrated Logistics Support IOTAL ACTIVE ISSUED TO TOTAL Support ISSUED TO TOTAL SUPPORT Support ISSUED TO TOTAL SUPPORT SUPP	Fest Sets						825	11	75000			İ
TOTAL 6062 ACTIVE 6062	DMF Basic Buyout						183					İ
TOTAL 6062 ACTIVE 6062	Program Support						300					İ
ACTIVE 6062	ntegrated Logistics Support						500					1
	ACTIVE						6062 6062 0					
												ı

	Exhibit P-5a, Budget Procurement	History a	and Planning					Date:	February 1	1999
Appropriation / Budget Activity/Serial No:		Weapon Syst			P-1 Line Item	Nomenclature	e:			
Procurement, Marine Corps (1109) / Communications a Equipment (4) / 020	nd Electronic					TACTICAL	REMOTE SENSOR	SYSTEM	(TRSS)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date		QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issu Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
Air Delivered Sensors (ADS) FY 00	Northrup Grumman Meadowlake, IL	SS	Crane, IN	Jan-00	May-00	332	9205	Yes	N/A	N/A
ADS Batteries FY 00	Unknown	C/FFP	MARCORSYSCOM	Feb-00	Mar-00	1155	432	Yes	N/A	N/A
Enhanced Battery Box FY 00	Unknown	C/FFP	MARCORSYSCOM	Jan-00	Mar-00	518	1351	Yes	N/A	N/A
Test Sets FY 00	Raytheon Indianapolis, IN	FFP	NAVAIR	Jan-00	Jul-00	11	75000	Yes	N/A	N/A
REMARKS:										

							Date:				•
	Exhibi	t P-40, Budget I	tem Justifi	cation Sheet					February 1999		
Appropriation / Budget Activity	/Serial No:				P-1 Item Nomencla	ature:					
Procurement, Ma	rine Corps (1109) / Communications	s and Electronic Equipment	(4) / 020			JO	INT SERVICE IMAG	SERY PROCESSING	SYSTEM (JSIPS) TEG	
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:						
			Α								
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost				1.0	1.0	2.9	2.9	2.9			10.7
Less PY Adv Proc											
Plus CY Adv Proc											ı
Net Proc (P-1)				1.0	1.0	2.9	2.9	2.9	0.0		10.7
Initial Spares											
Total Proc Cost				1.0	1.0	2.9	2.9	2.9			10.7
Flyaway U/C											
Wpn Sys Proc U/C											

The TEG is a highly mobile imagery ground station designed to process tactical imagery in support of the MAGTF commander. The system is an integral component of the Joint Service Imagery Processing System (JSIPS), complementing the capabilities of the JSIPS National Input Segment (NIS) located at Camp Pendleton. Initially, the system will provide the capability to receive, process, store, exploit, and disseminate Advanced Tactical Air Reconnaissance System (ATARS) electro-optical, infrared, and synthetic aperture radar imagery from the from the F/A-18D (RC) and receive national secondary imagery from the NIS. Upgrades will make the system capable of processing ASARS-2, UAV, and U-2 EO imagery, as well as other sensor systems. Imagery can be received and processed in near real time via the Tactical Interoperable Ground Data Link (TIGDL) Common Data Link (CDL) or from tape recorded aboard the collection platform. The TEG is packaged in three high mobility multi-purpose wheeled vehicles (HMMWV) and will support each MEF's tactical imagery support needs. The TEG maximizes the use of existing DoD systems and interfaces and supports the directive from OSD and the Defense Airborne Reconnaissance Office (DARO) for migration to the Common Imagery Ground/Surface System (CIGSS) standards.

							Date:				
	Exhibi	it P-40, Budget I	tem Justifi	cation Sheet					February 1999		
Appropriation / Budget Activity	/Serial No:				P-1 Item Nomencla	iture:					
Procurement, Ma	rine Corps (1109) / Communications	s and Electronic Equipment	(4) / 021				MODIFIC	ATION KITS (INTEL	.) (P44823)		
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:						
			Α								
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost	9.5	5.6	8.4	18.5	5.1	5.9	2.4	7.6	3.5	Cont	Cont
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	9.5	5.6	8.4	18.5	5.1	5.9	2.4	7.6	3.5	Cont	Cont
Initial Spares	0.9		3.2		0.5		0.6				
Total Proc Cost	10.4	5.6	11.6	18.5	5.7	5.9		7.6	3.5	Cont	Cont
Flyaway U/C											
Wpn Sys Proc U/C											

Modifications under this line are for the purpose of correcting equipment deficiencies noted after new items are fielded, or to increase operational capabilities of end items previously fielded. The funding profile supports modifications to the following intelligence systems. All items are Code A.

Tactical Electronic Reconnaissance Processing and Evaluation System (TERPES), AN/TSQ-90

Intelligence Analysis System Mod (IAS MOD)

Team Port Comm Sys (TPCS- Upgrade)

Joint Surveillance Target Attack Radar System (JSTARS)

Technical Control & Analysis Center PIP (TCAC-PIP)

Tactical Remote Sensor System (TRSS)

MOD INSTALLING AGENT INSTALLATION END ITEM

TERPES NAWC WPNS, PT MUGU, CA BEGIN: JAN 98 AN/TSQ-90

END: MAR 03

IAS MOD NSWC, CRANE IN BEGIN: OCT 96 IAS MOD

Memory Data END: DEC 03

Storage

						Date:
	E	Exhibit P-40, B	udget Item Justifi	cation Sheet		February 1999
Appropriation / Budget A	ctivity/Serial No:				P-1 Item Nomenclature:	
Procuremen	nt, Marine Corps (1109) / Comm	nunications and Electronic	c Equipment (4) / 021			MODIFICATION KITS (INTEL) (P44823)
TD00 (II	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	NIDITY 4 OF NO	N/	TD.	0.11000.405	
Phase II	e) NATIONAL SEC FT. MEADE, MD	URITY AGENC	CY BEGIN: JUN END: MAR 02		S UPGRADE	
Filase II	FT. WILADE, WID		LIND. WAR 02			
JSTARS	MOTOROLA, S	SCOTTSDALE,	AZ BEGIN: JU	N 00 JS	TARS	
			END: SEP 00)		
TCAC	NIANA/C NA/DNI E	OT MUCUL CA	DECINI, IAN	107 TO	A C DID	
TCAC	NAWC WPN, F	71 MUGU, CA	BEGIN: JAN END: DEC 03	-	AC PIP	
TRSS	L3 COMM		BEGIN: MAR		PEATER	
			END: SEPT 9	9		
						red under BLI 463000 (CCR). Policy is in accordance with CMC
C41 Green Lett	er No. 5-98 dated 1	11 Jun 98. The	following amounts	are for this pi	oject:	
CCR, BLI 4630	00 FUNDING FOR	TEPRES				
l	QTY/FY00	QTY/FY02	QTY/FY04			
Workstations	3/.050	3/.050	3/.050			
Servers	1/.056	1/.056	1/.056			
CCR, BLI 4630	00 FUNDING FOR	TPCS UPGRA	ADE			
,						
	QTY/FY00	QTY/FY01				
Workstations	120/.818	100/.682				
CCR funding B	LI 463000 for TCA	C				
Took farially b	QTY/FY00	QTY/FY01	QTY/FY02	QTY/FY03		
Workstations	7/.048	7/.048	7/.048	5/.034		

		Ex	hibit P-40	a, Budge	t Item Ju	stification	n for Agg	regated I	tems	Date:		February 1999		
Appropriation / Budget Activity				,9-				P-1 Item Nome				Tebruary 1000		
	ent, Marine Corps / C	ommunicatio	ons and Electroni	c Equipment						MODIFICA ⁻	TION KITS (INT	EL) (P44823)		
Procurement Items	Со	de UOM	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
TERPES		D			4.2	0.0	3.7	0.0	2.7	0.0	2.7	0.0		13.4
		Q												0.0
IAS MOD		D			1.4	1.7	1.4	1.4	1.4	1.4	1.4	1.4		11.5
		Q												0.0
TPCS		D			0.0	3.1	11.4	2.9	0.0	0.0	2.5	2.1		22.0
		Q												0.0
TCAC PIP		D			0.0	0.0	1.0	0.8	0.8	1.0	0.0	0.0		3.6
		Q												0.0
JSTARS		D			0.0	1.0	1.0	0.0	1.0	0.0	1.0	0.0		4.0
		Q												0.0
TRSS (IREMBASS)		D				2.6								2.6
		Q												0.0
														0.0
														0.0
														0.0
														0.0
														0.0
														0.0
														0.0
														0.0
														0.0
														0.0
														0.0
														0.0
														0.0

Exhibit P-5, Weapon WPN SYST Cost Analysis			Marine Cor	ps (1109) / Comm	unications and		m Nomenclature: ODIFICATION KIT	ΓS (INTEL) (P4482	23)	Weapon System	Туре:	Date: Feb	ruary 1999
•	ΙD			quipment (4) / 02	1	EV 00	1		EV 00	1		EV 04	
Weapon Svstem Cost Elements	ID CD	TotalCost	FY 98 Qty	UnitCost	TotalCost	FY 99 Qty	UnitCost	TotalCost	FY 00 Qty	UnitCost	TotalCost	FY 01 Qty	UnitCos
Cost Elements	CD	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
TERPES: AN/TSQ-90		4231	5	846200	¥ 5 5 5			3695	5	739000	****		*
IAS MOD		1383	VAR	VAR	1658	VAR	VAR	1407	VAR	VAR			
TPCS: TOPMAKER Direction Finding Unit Upgrade TPCS: TOPMAKER Phase II Upgrade Subsyster TPCS: Special Training Devices TPCS: Integrated Logistics Support TPCS: Factory Training TPCS: TAD					3119	11	283545	7970 2844 126 237 156 25	33 6 6				
JSTARS Pre Planned Product Improvements JSTARS Contractor Support JSTARS GFE Hardware JSTARS TAD					417 580 20			982	2	491000			
TCAC PIP TCAC Contractor Support								790 250	7	112857			
TRSS					2600	103							
TOTAL Active Reserve		5614 5614			8394 8394			18482 18482					

Exhibit	P-5a, Budget Procurement I	•	•					Date:	February ⁻	1999
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 021		Weapon Syste	ет Туре:		P-1 Line Item	Nomenclature MODIF	e: ICATION KITS (INT	EL) (P448	323)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date		QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years	ļ	and Type			Delivery	Each	\$		Avail	
TERPES: AN/TSQ-90										
FY 98	NAWC WPNS PT MUGU CA	FFP	NAWCWPNS PT MUGU CA		Sep-98	5	846200	YES	NO	N/A
FY 00	NAWC WPNS PT MUGU CA	FFP	NAWCWPNS PT MUGU CA	Mar-00	Sep-00	5	739000	YES	NO	N/A
IAS MOD										
FY 98	HEWLETT PACKARD CA	OPTION	MCSC/NWSC/MCTSSA	Oct-97	Jan-98	VAR	VAR	YES	NO	N/A
FY 99	HEWLETT PACKARD CA	OPTION	MCSC/NWSC/MCTSSA	Oct-98	Jan-99	VAR	VAR	YES	NO	N/A
FY 00	HEWLETT PACKARD CA	OPTION	MCSC/NWSC/MCTSSA	Oct-99	Jan-00	VAR	VAR	YES	NO	N/A
TPCS: TOPMAKER Direction Finding Unit Upgrade										
FY 99	Boeing-Sunnyvale,Sunnyvale CA	FFP	NSA	Apr-99	Mar-00	11	283545	Yes	N/A	N/A
FY 00	Boeing-Sunnyvale,Sunnyvale CA	FFP	NSA	Dec-99	Nov-00	33	241506	Yes	N/A	N/A
TPCS: TOPMAKER Phase II Upgrade Subsystem										
FY 00	Watkins-Johnson Gaitherbrg MD	TBD	NSA	Dec-99	Nov-00	6	474000	Yes	N/A	N/A
TPCS: Special Training Devices										
FY 00	Watkins-Johnson Gaitherbrg MD	TBD	NSA	Dec-99	Nov-00	6	21000	Yes	N/A	N/A
JSTARS Pre Planned Product Improvements										
FY 00	Motorola, Scottsdale, AZ	FFP	PM JSTARS, Ft Monmouth, NJ	Jan-00	Jun-00	2	491000	YES	NO	N/A
TCAC PIP										
FY 00	NAWC, WPNS, Pt. Mugu, CA	C/FP	ESC HANSCOM AFB, MA	Oct-99	Jan-00	7	112857	YES	NO	N/A
DEMADUS.										

REMARKS:

INDIVIDUAL MODIFICATION Date February 1999 TPCS 3 MODIFICATION TITLE: MODELS OF SYSTEMS AFFECTED: Team Portable Communications Intelligence System DESCRIPTION / JUSTIFICATION: TPCS is a semi-automated, man-packable, team transportable signals intelligence system that provides communications intercept, radio direction finding, collection management, analysis and reporting to the Marine Air Ground Task Force (MAGTF) Commander. TPC is primarily comprised of commercial-off-the-shelf (COTS) and non-developmental items (NDI). The Upgrade will enable TPCS to exploit advanced communications such as cellular formats and low probability of intercept (LPI) signals. The Upgrade will also provide advanced automation and conform to the JMCIS/GCCS common operating environment (COE). Installation cost is included in initial procurement of the Kits. DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: NAPDD for TOPMAKER development: Mar 95; MSII - Feb 97; MS III (Phase II) - 4 QFY 99 *Two Contracts

Installation Schedule:																					
	Pr Yr		FY	1998			FY	1999			FY 2	2000			FY 2	2001			FY 2	2002	
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Inputs											11			55							
Outputs												11			55						
		FY 2003			FY 2	2004			FY 2	005	Ī		FY 2	2006			То			Totals	
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	Co	omplete			
Inputs									12				10								88
Outputs										12				10							88
METHOD OF IMPLE	MENTATI	ON:				ADMIN	ISTRAT	TIVE LEA	ADTIME:		6	Months		PRODU	JCTION	I LEAD	TIME:	11	Months		
Contract Dates:			FY 199	98	N/A			FY 1999	9 A	NPR 99				FY 200	0	DEC 9	9 & DEC	99*			
Delivery Date:			FY 199	98	N/A			FY 1999	9 N	/IAR 00				FY 200	0	NOV 0	0 & NO\	/ 00*			

					IN	DIVIDUA	L MOD	IFICATIO	N							Date		Febru	ary 1999	
MODIFICATION TITLE (Cont):		TF	PCS 3																	
FINANCIAL PLAN: (\$ in Millions)			-																	
		1998																		
		Prior		1999		2000		2001		2002		2003		2004		2005		TC		TAL
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
PROCUREMENT																				
Kit Quantity																				
Inst Kits, Nonrecurring			11	3.128	33	7.970													44	1
					12	2.844	10	2.387					12	2.574	10	2.150			44	9.955
Equipment, Nonrecurring																				
ECO																				
Other						0.770		0.574												1.344
Installation of Hardware																				
FY 1998 & Prior Eqpt Kits					4.4														4.4	
FY 1999 Eqpt 11 Kits					11		4.5												11	
FY 2000 Eqpt 45 Kits							45		4.0										45	1
FY 2001 Eqpt 10 Kits									10										10	
FY 2002 Eqpt kits																				
FY 2003 Eqpt kits																				
FY 2004 Eqpt 12 kits															12				12	
FY 2005 Eqpt 10 kits																				
(FY(TC) Eqpt (xx kits)																				
Installment Cost																			78	
Total Procurement Cost				3.128		11.584		2.961						2.574		2.150				22.397

	Exhib	oit P-40, Budget I	tem Justific	ation Shee	t		Date:		February 1999				
Appropriation / Budget Activity/Se	erial No:				P-1 Item Nomencla	ture:							
Procurement, Ma	arine Corps (1109) / Communica	ations and Electronic Equipme	ent (4)				ITEMS	UNDER \$5 MILLION	INTELL				
Program Elements for Code B Ite	ms:		Code:	Other Related Pro	gram Elements:								
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog		
Proc Qty													
Gross Cost		2.1 0.4 0.0 0.0 2.3 0.0											
Less PY Adv Proc													
Plus CY Adv Proc													
Net Proc (P-1)		0.0	0.0	2.1	0.4	0.0	0.0	2.3	0.0		4.7		
Initial Spares													
Total Proc Cost				2.1	0.4	0.0	0.0	2.3	0.0		4.7		
Flyaway U/C													
Wpn Sys Proc U/C													

This is a roll-up line which contains equipment for which the annual procurement is less than \$5 Million each. The funds included in this budget line allow procurement of the following item. FY 1998 funding is under Items Less Than \$2 Million (475100).

Technical Surveillance Countermeasures - A suite of equipment which provides the Marine Corps Counterintelligence Teams (CIT) with an updated capability to detect clandestine surveillance devices ("bugs") employed by hostile intelligence organizations in a garrison and/or combat environment. Funds are used to procure TSCM Laser detection systems and other direction finding systems.

Meteorogical Measuring System - (MMS) The Met Sensor Package (MSP) upgrade for the MMS replaces three separate pieces of manually operated equipment used to gather ground (surface) weather data with a single automated electronic data sensor/collector. The upgrade also includes a SW upgrade that will correct a Y2K deficiency in the current system SW program.

	E	xhibit	P-40a, Bu	dget Item	Justifica	tion for A	Aggregate		Date:		February 1999	9	
Appropriation / Budget Activity							P-1 Item Nome	enclature:					
Procurement, Marine Corps (1109) / C	Communications	and Elect	ronic Equipment (4)					ITEMS UN	NDER \$5 MILLIO	ON INTELL		
Procurement Items	Code	UOM	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Technical Surveillance Countermeasures	Α	D		0.0	0.0	2.1	0.0	0.0	0.0	2.3	0.0		4.4
Meteorogical Measuring System	A	Q D		0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0		0.4
iweteorogical weasuring dystem	Α	Q		0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0		0.4
		<u> </u>											

	Exhibi	it P-40, Budget	tem Justific	cation Sheet			Date:		February 1999		
Appropriation / Budget Activity/	/Serial No:				P-1 Item Nomencla	iture:					
Procurement, I	Marine Corps (1109) / Communicat	ions and Electronic Equipm	ent (4)				GENERAL PURI	POSE MECHANICA	L TMDE (P44094)		
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:						
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost	9.2	17.3	4.4	4.8	4.7	3.0	5.6	6.3	7.1	Cont.	Cont.
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	9.2	17.3	4.4	4.8	4.7	3.0	5.6	6.3	7.1	Cont.	Cont.
Initial Spares											
Total Proc Cost	9.2	17.3	4.4	4.8	4.7	3.0	5.6	6.3	7.1	Cont.	Cont.
Flyaway U/C											
Wpn Sys Proc U/C											

This is a composite line which consists of several general purpose mechanical test equipment items.

Funds are used to buy mechanical test equipment to support the following principal end items:

Motor Transport: Trucks, High Mobility, Multipurpose Wheeled Vehicle (HMMWV's), Wreckers, Buses, Trailers etc.

Combat Engineers: Bulldozers, Motor Graders, Compactors, Generator Sets, Rock Crushers, Assault Craft, etc.

Ordnance: Tanks, Light Armored Vehicles (LAV's), Assault Amphibious Vehicles (AAV's), Self Propelled Howitzers, Rocket launchers etc.

The test equipment is used by mechanics at all levels of maintenance (e.g. from operator to component rebuild) to restore deadlined items to operational condition. Items procured range from individual mechanic's test sets to diesel engine and transmission dynamometers.

Funding sustains modernization and standardization plans, as well as new equipment identified in support of new principal end items.

In some cases, new requirements will supercede planned requirements. The items bought with these funds are non-developmental, commercial-off-the shelf items (consequently extremely low risk). Also, funding is provided for electro-optics testheads which will be integrated with Third Echelons Test Set basic units being purchased in the Automatic Test Equipment budget line.

						Date:				
Exhibi	it P-40, Budget I	tem Justific	cation Sheet					February 1999		
Serial No:				P-1 Item Nomencla	nture:					
Marine Corps (1109) / Communicat	ions and Electronic Equipm	ent (4)				NIGHT V	ISION EQUIPMENT	(P44017)		
tems:		Code:	Other Related Prog	gram Elements:						
T 5 : V T	57,100	F)/ / 000	57/2000	=	EV 2000	5/222	E) / 222 /		I = 0 I	
Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
76.8	6.8	33.6	9.0	17.8	24.9	27.9	40.1	2.3		239.2
76.8	6.8	33.6	9.0	17.8	24.9	27.9	40.1	2.3		239.2
	0.9				0.2	1.1	1.5	1.4		5.1
76.8	7.7	33.6	9.0	17.8	25.1	29.0	41.6	3.7		244.3
										•
	Serial No: larine Corps (1109) / Communicat items: Prior Years 76.8	Serial No: Iarine Corps (1109) / Communications and Electronic Equipm Iarine Corps (1109) / Communications and Electronic Equipm Iarine Corps Iari	Serial No:	Serial No:	Prior Years	P-1 Item Nomenclature: P-1 Item Nomenclature:	P-1 Item Nomenclature: P-1 Item Nomenclature: NIGHT Verms: Code: Other Related Program Elements: P7 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 P7 2004 P7 2005 P7 2005 P7 2006 P7 2006 P7 2007 P	P-1	Prior Years FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 FY 2005	Prior Years Fy 1998 Fy 1999 Fy 2000 Fy 2001 Fy 2002 Fy 2003 Fy 2004 Fy 2005 To Complete

This is a rollup line for Night Vision Equipment consisting of:

MX 11620 - 25mm Gen III Image Intensification Tube (Gen III Tube) - The Gen III tube is a drop-in retrofit for the Gen II image intensification tubes found in the AN/PVS-4 & AN/TVS-5 individual and crewserved weapons sights. The tube provides a much higher level of reliability when compared with the present Gen II tube, and substantially improves resolution and therefore range performance of the system in which it is installed. This is not an end item.

AN/PAQ-4C - The AN/PAQ-4C is used in conjunction with night vision devices (AN/PVS-7 and AN/PVS-14) to direct weapon fire at night. The AN/PAQ-4C attaches to the M16A2 service rifle and projects a continuous infrared beam along the weapons' line of fire designating the point of impact on the target, thereby providing a reference point for target engagement visible only to night vision devices.

MEDIUM POWER LASER ILLUMINATOR (MPLI--formerly know as the INFRARED LASER POINTER). The MPLI is a hand-held infrared laser pointer used in conjunction with image intensified night vision devices, such as the AN/PVS-7B and the AN/AVS-6 Night Vision Goggles, to mark ground targets for night vision capable aricraft crew.

BORELIGHT - The laser Borelight is a rugged projector of visible laser light. The Laser Borelight is used to boresight (align) the Thermal Weapon Sight (TWS) AN/PAS-13, the IRLP, AN/PAC-4 and other Night Vision devices to the various weapon systems they may attach to. The Laser Borelight enables the boresighting of weapons during daylight, low light and darkness without discharge of the weapon.

Exhibit P-40, Budget Item Justification Sheet		Date: February 1999
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4)	P-1 Item Nomenclature:	NIGHT VISION EQUIPMENT (P44017)
MOUNTING BRACKET - The mounting bracket allows the AN/PAQ-4C Infrared A installed on the M16A2 rifle.	niming Light to be mounte	ed on the M16A2 when the M203 grenade launcher is
IMPROVED NIGHT / DAY OBSERVATION AND CONTROL DEVICE (INODform telescopic aiming device that permits precise and accurate delivery of 7.62mm at will also be capable of distinguishing selected targets at the effective range of the	nd .50 caliber rifle fire on	selected targets during both daylight and total darkness. It
LASER AIMING MODULE (LAM) - The LAM is used with and without night vision attaches to the M1911A1 Marine Expeditionary Unit (Special Operations Capable infrared laser or infrared laser / illuminator along the weapons line of fire designat target engagement in the visible or infrared mode during times of limited visibility.) pistol and the M9 pistol ing the target or point of i	. The LAM projects either a flashlight / visible laser /

Exhibit P-5, Weapon		Appropriation/ Bu			iantinna and		m Nomenclature:	LUDMENT (D4404		Weapon System	Туре:	Date:	m. om. 1000
WPN SYST Cost Analysis		Procurement,		rps (1109) / Comm ic Equipment (4)	unications and	N	IIGHT VISION EQ	UIPMENT (P4401	7)			Feb	ruary 1999
Weapon System	ID		FY 98			FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
MX 11620 (Gen III Tube) Production & Engineering Fee (P&E)	Α	812 67	259	3136	17336 250	5528	3136	3152 248	987	3193			
AN/PAQ-4C IR Aim Light Mounting Brackets Borelight Medium Power Laser Illuminator Eng & Prgm Support Production & Engineering Fee (P&E)	A A A	423 840 2200 1200	1507 14000 6250 315	352	1000 1200 550 250	2841 315	352 3808						
NVE Accessories (Brackets,Purge Kits,Lens) INOD Eng & Prgm Support	Α	1300	VAR	VAR				5309 323	518	10250			
Laser Aiming Module (LAM) Engineering and Prog. Suppt/ Logistics ANPVS-6 (Transfer to OPN)	Α				2700 300 10000	1800	1500						
TOTAL Active Reserve		6842 4838 2004			33586 33586			9032 9032					

Fyhihi	t P-5a, Budget Procurement	History a	nd Planning					Date:	February	1999
Appropriation / Budget Activity/Serial No:	er - Ja, Budget i Tocurement	Weapon Syste			P-1 Line Item	Nomenclature	e:		1 ebiliary	1999
Procurement, Marine Corps (1109) / Communications and Electroni Equipment (4)	С	, ,	,				Γ VISION EQUIPME	NT (P440	117)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issu Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
MX 11620 (Gen III Tube)										
FY 98	ITT/Roanoke,VA, Litton/Dallas,TX	C/FFPO	USA CECOM	Apr-99	Jul-00	259	3136	Yes	N/A	Jul-98
FY 99	ITT/Roanoke,VA, Litton/Dallas,TX	C/FFPO	USA CECOM	Apr-99	Jul-00	5528	3136	Yes	N/A	Jul-98
FY 00	ITT/Roanoke,VA, Litton/Dallas,TX	C/FFPO	USA CECOM	Apr-00	Jul-01	987	3193	Yes	N/A	Jul-98
AN/PAQ-4C IR Aim Light										
FY 98	INSIGHT/ Londonderry, NH	S/FFPO	NSWC CRANE	May-98	Mar-99	1507	281	Yes	N/A	Apr-9
Mounting Brackets										
FY 98	INSIGHT/ Londonderry, NH	S/FFPO	NSWC CRANE	May-98	Mar-99	14000	60	Yes	N/A	Apr-98
Borelight										
FY 98	UNKNOWN	C/FFP	NSWC CRANE	Apr-99	Oct-99	6250	352	Yes	N/A	Jun-9
FY 99	UNKNOWN	C/FFPO	NSWC CRANE	Apr-99	Jun-00	2841	352	Yes	N/A	Jun-9
Medium Power Laser Illuminator (MPLI)										
FY 98	INSIGHT/Londonderry, NH	C/FFPO	NSWC CRANE	Oct-98	Mar-99	315	3808	Yes	N/A	Apr-9
FY 99	INSIGHT/Londonderry, NH	C/FFPO	NSWC CRANE	Jul-99	Dec-99	315	3808	Yes	N/A	Apr-9
Improved Night/Day Observation & Control Device FY00 (INOD)	ITT, Roanoke, VA	C/FFPO	PM NV/RSTA, Ft Belvoir	Dec-99	Aug-00	518	10250	NO	N/A	N/A
Laser Aiming Module (LAM) FY 99	Unknown	C/FFP	MCSC, Quantico, VA.	Jul-99	Dec-99	1800	1500	Yes	N/A	May-9

REMARKS:

Exhibit P-20, Requi	romonte Stu	dv	Approriation/Budget A	Activity/Serial No:				Date:		
Exhibit F-20, Requi	rements stu	uy	Procurer	ment, Marine Corps (1	109) / Communications	and Electronic Equip	ment (4)		Feb-99	
P-1 Line Item Nomenclature (Include	DODIC for Ammunitie	on Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
NIGHT VIS	ION EQUIPMENT (P4	4017) GEN III Tubes			18	Months			15	Months
Line Descriptions			FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary			259	5528	987	924	122			
Unit Cost			3.1	3.1	3.2	3.2	2.5			
Total Cost			812.0	17336.0	3152.0	2950.0	300.0			
Asset Dynamics										
Beginning Asset Position	1		1969	1969	1969	3415	8005	8974	9789	9789
Deliveries from:	FY 1999	Funding			1187	4341				
Deliveries from:	FY 2000	Funding				249	738			
Deliveries from:	FY 2001	Funding					231	693		
Deliveries from Subsequ	ent Years Funds	;						122		
Other Gains from FY 9	97 I & FY98 BUY	/			259					
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/A	attritions									
End of Year Asset Positi	on		1969	1969	3415	8005	8974	9789	9789	9789
Inventory Objective or Curre	ent Authorized Al	lowance								
Inventory Objective	Actua	al Training	Other tha	n Training	Dispo	osals	Vehicles Eligible)	Aircraft:	
9789		enditures	Us	age	(Vehicle	s/Other)	for Replacemen	t	TOAI	
Assets Rqd for	98 thru		98 thru		98 thru	·	·		PAA:	
Combat Loads	FY XXXX		FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:	FY XXXX		FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:	FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX		FY XXXX		FY XXXX			•	Inactive Inv	
Total:							='		Storage	

Bli No. 493000 Item No. 29 Page 5 of 14 Exhibit P-20, Requirements Study

Exhibit P-20	Doguiro	monte S	tudy	Approriation/Budget A	Activity/Serial No:				Date:		
EXIIIDIL P-20	, Require	illelits 3	luuy	Procurer	ment, Marine Corps (1	109) / Communications	s and Electronic Equip	oment (4)		Feb-99	
P-1 Line Item Nomencla	ture (Include DC	DDIC for Ammur	nition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	NIGHT VISIO	N EQUIPMENT	(P44017) AN/PAQ-4C			. 7	Months			10	Months
Line Descriptions				FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary				1507							
Unit Cost				0.3							
Total Cost				423.0							
Asset Dynamics											
Beginning Asse	et Position			18700	18700	19582	20207	20207	20207	20207	20207
Deliveries from	:	FY 1999	Funding								
Deliveries from	:	FY 2000	Funding								
Deliveries from		FY 2001	Funding								
Deliveries from	Subsequen	t Years Fun	ds								
Other Gains	from FY98 f	unding			882	625					
Combat Losses	3										
Training Losses	S										
Test Losses											
Other Losses											
Disposals/Retir	ements/Attri	tions									
End of Year As	set Position			18700	19582	20207	20207	20207	20207	20207	20207
Inventory Objective	e or Current	Authorized	Allowance								
Inventory Ob	ojective	Act	ual Training	Other tha	n Training	Disp	osals	Vehicles Eligible	9	Aircraft:	
	20207	Ex	penditures	Us	age	(Vehicle	es/Other)	for Replacemen		TOAI	
Assets Rqd for		98 thru		98 thru		98 thru		·		PAA:	
Combat Loads		FY XXXX		FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:		FY XXXX		FY XXXX		FY XXXX			•	Inactive Inv	
Total:					<u> </u>		<u> </u>	=		Storage	

Bli No. 493000 Item No. 29 Page 6 of 14 Exhibit P-20, Requirements Study

Exhibit P-20, Requir	omonte Study	Approriation/Budget	Activity/Serial No:				Date:		
Exhibit F-20, Requir	ements Study	Procure	ment, Marine Corps (1	109) / Communications	s and Electronic Equip	ment (4)		Feb-99	
P-1 Line Item Nomenclature (Include I	DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
NIGHT VISION	EQUIPMENT (P44017) Mount	ng Brackets		7	Months			10	Months
Line Descriptions		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		14000)						
Unit Cost		0.1							
Total Cost		840.0)						
Asset Dynamics									
Beginning Asset Position				8169	14000	14000	14000	14000	14000
Deliveries from:	FY 1999 Funding								
Deliveries from:	FY 2000 Funding								
Deliveries from:	FY 2001 Funding								
Deliveries from Subseque	ent Years Funds								
Other Gains from FY 9	8 buy		8169	5831					
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/At	tritions								
End of Year Asset Position	n		8169	14000	14000	14000	14000	14000	14000
Inventory Objective or Curre	nt Authorized Allowance	,							
Inventory Objective	Actual Trainir	ng Other tha	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:	
14000	Expenditure	s Us	sage	(Vehicle	es/Other)	for Replacemen		TOAI	
Assets Rqd for	98 thru	98 thru		98 thru	ĺ			PAA:	
Combat Loads	FY XXXX	FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX			•	Inactive Inv	
Total:		-				_		Storage	

Exhibit P-20, Requi	romante Study	Approriation/Budget /	Activity/Serial No:				Date:		
Exhibit F-20, Requi	rements Study	Procure	ment, Marine Corps (1	109) / Communications	s and Electronic Equip	ment (4)		Feb-99	
P-1 Line Item Nomenclature (Include	DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
NIGHT VI	SION EQUIPMENT (P44017) Boreligh	nts		18	Months			6	Months
Line Descriptions		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		6250	2841						
Unit Cost		0.4	0.4	Į.					1
Total Cost		2200.0	1000.0)					
Asset Dynamics									
Beginning Asset Position					9091	9091	9091	9091	9091
Deliveries from:	FY 1999 Funding			2841					
Deliveries from:	FY 2000 Funding								•
Deliveries from:	FY 2001 Funding								
Deliveries from Subsequ	ent Years Funds								
Other Gains from FY9	8 funding			6250					
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/A	ttritions								
End of Year Asset Position	on			9091	9091	9091	9091	9091	9091
Inventory Objective or Curre	nt Authorized Allowance								·
Inventory Objective	Actual Training	Other tha	n Training	Disp	osals	Vehicles Eligible	9	Aircraft:	i
18700	Expenditures	Us	age	(Vehicle	es/Other)	for Replacemen	t	TOAI	1
Assets Rqd for	98 thru	98 thru		98 thru				PAA:	
Combat Loads	FY XXXX	FY XXXX		FY XXXX		FY 2000		TAI	<u> </u>
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:								Storage	

Bli No. 493000 Item No. 29 Page 8 of 14 Exhibit P-20, Requirements Study

Exhibit P-20, Requ	iromonte Study	A	pproriation/Budget /	Activity/Serial No:				Date:		
Exhibit F-20, Nequi	irements study	′	Procure	ment, Marine Corps (1	109) / Communications	and Electronic Equip	ment (4)		Feb-99	
P-1 Line Item Nomenclature (Include	e DODIC for Ammunition Ite	ems):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
NIGHT VISION	EQUIPMENT Medium Pow	wer Laser Illuminator			12	Months			5	Months
Line Descriptions			FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary			315	315						
Unit Cost			3.8	3.8						
Total Cost			1200.0	1200.0						
Asset Dynamics										
Beginning Asset Position	n				260	630	630	630	630	630
Deliveries from:	FY 1999 Fun	nding			315					
Deliveries from:	FY 2000 Fun	nding								
Deliveries from:	FY 2001 Fun	nding								
Deliveries from Subsequ	uent Years Funds									
Other Gains from FYS	98 funding			260	55					
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/A	Attritions									
End of Year Asset Posit	ion			260	630	630	630	630	630	630
Inventory Objective or Curr	ent Authorized Allow	ance								
Inventory Objective	Actual Ti	raining	Other tha	n Training	Disp	osals	Vehicles Eligible)	Aircraft:	
315	Expend	litures	Us	age	(Vehicle	s/Other)	for Replacemen	t	TOAI	
Assets Rqd for	98 thru	9	8 thru		98 thru	·	-		PAA:	
Combat Loads	FY XXXX	F	Y XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:	FY XXXX	F	Y XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:	FY XXXX	F	Y XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	F	Y XXXX		FY XXXX				Inactive Inv	
Total:							=		Storage	

Remarks: (MPLI Inventory Objective is in process of being increased.)

Exhibit P-20, Requ	iromonto	Study	Approriation/Budget	Activity/Serial No:				Date:		
Exilibit F-20, Nequ	memem	Siduy	Procur	ement, Marine Corps	(1109) / Communications	and Electronic Equip	ment (4)		Feb-99	
P-1 Line Item Nomenclature (Include	le DODIC for A	mmunition Items):		Admin Leadtime (at	fter Oct 1):			Prod Leadtime:		
NIGHT VISION EQUIP	MENT Improve	d Night/Day Observation	& Control Device		2	Months			8	Months
Line Descriptions			FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary					518					
Unit Cost					10					
Total Cost					5309					
Asset Dynamics										
Beginning Asset Position	n					46	518	518	518	518
Deliveries from:	FY 199	99 Funding								
Deliveries from:	FY 200	00 Funding			46					
Deliveries from:	FY 200	01 Funding				472				
Deliveries from Subseq	uent Years	Funds								
Other Gains from FY	98 funding									
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirements/	Attritions									
End of Year Asset Posi	tion				46	518	518	518	518	51
Inventory Objective or Cur	rent Authori	zed Allowance								
Inventory Objective		Actual Training	Other th	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:	
	518	Expenditures		sage	(Vehicle	es/Other)	for Replacemen		TOAI	
Assets Rqd for	98 thru	ī	98 thru		98 thru	· ·	·		PAA:	
Combat Loads	FY XX	xx	FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:	FY XX	XX	FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:	FY XX	XX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XX	XX	FY XXXX		FY XXXX			•	Inactive Inv	
Total:		•	•	•	•		•		Storage	

Bli No. 493000 Item No. 29 Page 10 of 14 Exhibit P-20, Requirements Study

Exhibit P-20, Requi	romanta Study	Approriation/Budget	Activity/Serial No:				Date:		
Exhibit F-20, Requi	rements Study	Procure	ement, Marine Corps (1	109) / Communications	s and Electronic Equip	ment (4)	Feb-99		
P-1 Line Item Nomenclature (Include	DODIC for Ammunition Items)	:	Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
NIGHT VISION EQUIP	MENT	Laser Aiming Module		9	Months			5	Months
Line Descriptions		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary			1800						
Unit Cost			1.5						
Total Cost			2700.0						
Asset Dynamics									
Beginning Asset Position	l				1500	1800	1800	1800	1800
Deliveries from:	FY 1999 Funding	g		1500	300				
Deliveries from:	FY 2000 Funding	g							
Deliveries from:	FY 2001 Funding	g							
Deliveries from Subseque	ent Years Funds								
Other Gains from FY9	8 funding								
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/A	ttritions								
End of Year Asset Position	on			1500	1800	1800	1800	1800	1800
Inventory Objective or Curre	nt Authorized Allowand	e							
Inventory Objective	Actual Train	ing Other th	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:	
TBD	Expenditure	es Us	sage	(Vehicle	es/Other)	for Replacemen	t	TOAI	
Assets Rqd for	98 thru	98 thru		98 thru				PAA:	
Combat Loads	FY XXXX	FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX			•	Inactive Inv	
Total:		·				=		Storage	

FY 00 / 01 BUDGET PROD COST ELEMENTS	М	TION SC	HED								N	IGHT	VISIO	N EQU	JIPMEN	NT (P4	4017)									Feb	ruary 1	999		
COST ELEMENTS																														
COST ELEMENTS				PROC	ACCEP.	BAL					Fisca	l Ye	ar 98	1								Fis	scal	Yea	99					L
COST ELEMENTS			S	QTY	PRIOR	DUE							Ca	lenda	ar Ye	ar 98	3						C	alen	dar \	ear/	99			Α
COST ELEMENTS	F	FY	E	Each	TO	AS OF	0	N			F N		A M			Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S	T
	R		R V		1 OCT	1 OCT	C T	0 V		A N	E A		P A	U		U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	E R
MX 11620 (GEN III TUBES)	1	FY98	MC	259	0	259																		Α						259
MX 11620 (GEN III TUBES)	1	FY99	MC	5528	0	5528																		Α						5528
MX 11620 (GEN III TUBES)	1	FY 00	MC	987	0	987																								987
AN/PAQ-4C IR Aiming Light	2	FY98	MC	1507	0	1507							А										126	126	126	126	126	126	126	625
Mounting Brackets	3	FY98	МС	14000	0	14000							А										1167	1167	1167	1167	1167	1167	1167	5831
<u> </u>																														
Borelight	4	FY98	МС	6250	0	6250																		Α						6250
Borelight	4	FY99	МС	2841	0	2841																		Α	1					2841
																									†					
Medium Power Laser Illuminator	5	FY98	МС	315	0	315												Α					30	40	40	40	40	40	30	55
Medium Power Laser Illuminator	5	FY99	MC	315	0	315																			1		Α			315
mp. Day/Night Obs. & Cont. Device	6	FY00	МС	518	0	518									1										<u> </u>					518
p ayg a a a a a a a a a a a a a a a	Ť								-		_	+	+		1										†					
												1			1										1					
Laser Aiming Module	7	FY99	МС	1800	0	1800						1			1										1		Α			1800
												1			1										1					
												1			1										1					
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R NAME / LOCATION		MIN.	1	-8-5	MAX.	D +	1	II	NITIAL							18			15			33			IFR#6: dmin:2	MEE	2 g /T.	ntal –	10)	
1 ITT, Roanoke/LITTON, TXITT, VA.		40		*CI	0.40			_	REORI							6			15			21				IVII-P	. 0 (11	Jiai =	10)	
2 Insight, Londonderry, NH 3 Insight, Londerry, NH	\dashv	40 200		40 750	240 2400		2	_	NITIAL		+	- -				7			10			17			FR #7	, p.a.e.	D. F.	To+-'	4.41	
TBD	-	200		*CI	2400		3		NITIAL							7			10			17		AC	dmin: 9) IVIFI	r: 5 (otal	= 14)	
5 Insight, Londerry, NH		8		30	120				REORI															*C	l mear	s Con	nmerci	al Iter	n	
6 ITT, Roanoke, VA 7 TBD	_	25		75 *CI	150 500		4		NITIAL		+	- -				18 6			6 14		-	24		1						
	-			OI .	300		5	_	NITIAL		+					12			5			17		t						
									REORI							9			5			14		L						

FY 00 / 01 BUDGET PRO	DUC	CTION SC	HED	ULE			[tem No	anent.			NIGI	HT VIS	ION E	QUIP	MEN.	T (P44	4017)					Date	-			Febru	uary 19	99	
				PROC	ACCEP.	BAL	1				Fis	cal `	Year	00									Fi	scal	Yea	· 01				L
	М		s	QTY	PRIOR	DUE								Cale	ndar	Yea	ar 00)				Г		С	alen	dar \	Year	01		А
	F	FY	E	Each	ТО	AS OF	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S T
COST ELEMENTS	R		R V		1 OCT	1 OCT	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U		E E P R
MX 11620 (GEN III TUBES)	1	FY98	MC	259	0	259										259														
MX 11620 (GEN III TUBES)	1	FY99	MC	5528	0	5528										223	482	482	482	482	482	482	482	482	483	483	483			
MX 11620 (GEN III TUBES)	1	FY 00	MC	987	0	987	1																					83	83	83 738
MX 11620 (GEN III TUBES)	1	FY 01	MC	924	0		1															1			A			- 00	00	
MX 11620 (GEN III 10BES)	+ '	FIUI	IVIC	924	U	924																			A					924
AN/PAQ-4C IR Aiming Light	2	FY98	МС	1507	882	625	125	125	125	125	125																			
Mounting Proglets	3	FY98	MC	4.4000	0400	5004	4407	1166	1100	1166	1166																			_
Mounting Brackets	3	F190	IVIC	14000	8169	5831	116/	1100	1100	1100	1100											_	 	 	1—					
Borelight	4	FY98	MC	6250	0	6250	757	757	757	757	757	757	757	757	194															
Borelight	4	FY 99	MC	2841	0	2841			-						564	759	759	759							1					
Medium Power Laser Illuminator	5	FY98	MC	315	260	55	30	25																						
Medium Power Laser Illuminator	5	FY99	MC	315	0	315			30	40	40	40	40	40	30	30	25													
Improved Day/Night Obs. & Ctl. Dev.	6	FY00	МС	518	0	518			A								43	43	43	43	43	43	43	43	43	43	44	44		
Laser Aiming Module	7	FY 99	MC	1800	0	1800			150	150	150	150	150	150	150	150	150	150	150	150										
											_								_						_					0
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N O N	J	U	S E P
M		PI	RODUCT	ION RATES	1	REACHED		FR							IIN LE				۸.6	MFR ter 1 (TOTA		RI	EMAR	KS			
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1 ITT, Roanoke/LITTON, TXITT, VA.			<u> </u>	*CI			1			RDER			-							-10					Adm	in:2 N	∕IFR 8	(Total	= 10)	
2 Insight, Londonderry, NH		40		40	240			2	INITI	AL							7			10			17		MFF	2#7				
3 Insight, Londerry, NH		200		750	2400		└			RDER																	ИFR: 5	(Total	= 14)	
4 TBD				*CI	100		1	3	INITI		-						7		ļ	10			17		I				,	
5 Insight, Londerry, NH		8		30	120	1	₩			RDER		_					40		1	0		1	0.4		CI m	eans	Comm	ercial	tem	
6 ITT, Roanoke, VA		25		75 *CI	150 500		1		INITI		-	_					18		-	6		₩	24		1					
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MX 11620 (GEN III TUBES)	1	FY98	MC	259	259																										
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R NAME / LOCATION		MIN.	1	-8-5	MAX.	D +	1	<u> </u>	INITIA								6			15			21		88			8 (To	otal = 1	10)	
1 ITT, Roanoke/LITTON, TXITT, VA. 2 Insight, Londonderry, NH		40		*CI 40	240		2		REOR INITIA			_			-		7			10			17			D #7					
3 Insight, Londonderry, NH		200		750	2400		1		REOR			1					'			10			17		00	R #7 min: 9) MFF	R: 5 (Total =	= 14)	
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5 Insight, Londerry, NH		8		30	120				REOR	RDER															*CI	mear	is Com	nmerci	ial Item	I	
6 ITT, Roanoke, VA		25		75	150		4		INITIA								18			6			24								
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	Exh	nibit P-40, Budget I	tem Justific	ation Sheet			Date:		February 1999		
Appropriation / Budget Activity/Se	rial No:				P-1 Item Nomencla	ture:					
Procurement, Ma	rine Corps (1109) / Commu	nications and Electronic Equipme	ent (4)				COMMON CO	MPUTER RESOUR	CES (P478XX)		
Program Elements for Code B Itel	ms:		Code:	Other Related Pro	gram Elements:						
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost				102.8	88.0	68.4	63.1	62.2	68.5	CONT	CONT
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)				102.8	88.0	68.4	63.1	62.2	68.5	CONT	CONT
Initial Spares											
Total Proc Cost				102.8	88.0	68.4	63.1	62.2	68.5	CONT	CONT
Flyaway U/C											
Wpn Sys Proc U/C											

This is a roll-up line supporting the Common Computer Resources (CCR) which contains the Marine Corps Common Hardware Client Workstations, and Marine Corps Common Hardware File/Application Servers.

The Marine Corps Common Hardware Client Workstations and File/Application Servers Programs implement approved recommendations of the Unified MAGTF C4I IPT and supports the Marine Corps Master Plan R.7. which calls for "A robust command and control/Information infrastructure, extending the defense information infrastructure to meet Marine Corps deployed and garrison information requirements ... Develop a computing infrastructure capable of supporting both joint and service level national security systems and automated information systems....". Marine Corps Common Hardware File/Application Servers and Client Workstations Programs provide a refreshed and modernized Information Technology Infrastructure with a multi-level capability for user/applications. The multi-level approach includes a minimum of three basic technology ranges of varying capability from high, medium and low-end platforms that provide file and applications support for UNIX (RISC) and Intel (CISC) Base applications. Within each of the basic ranges there are specific capabilities such as the physical configuration (i.e. laptop), the level of ruggedization, the amount of RAM, the number and size of the hard drives, specific multimedia support, etc., that further configures a machine to meet a specific requirement. These options are currently available via the Marine Buyers Guide for procurement unde numerous existing contract vehicles. Also included is a centralized infrastructure that will provide an enterprise approach to asset tracking, warranty maintenance and helpdesk functions. Common Computer Resources (CCR) provides a single procurement and management vehicle for Workstations and Servers for all Tactical and Non-Tactical C4I programs and ensures that each program fits within the framework architecture. Varied common computer resources are required to meet program specific functional applications and ruggedization.

*Integrated Logistics Support (ILS) for both Workstations and Servers is centrally managed by the Program Manager and not divided between the two sub-projects. ILS is a central managed Marine Corps-wide approach to manage and support the workstation and field application server assets from an "enterprise perspective".

										Date:				
		Ex	hibit P-40	a, Budge	t Item Ju	stificatior	n for Agg					February 1999	1	
Appropriation / Budget Activity								P-1 Item Nome						
Procuremen	nt, Marine Corps / Com									COMMON COM		,		
Procurement Items	Code		Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004			Total Prog
MCHS WORKSTATIONS		D Q	0				69.8	55.5	41.9	42.8	37.7	42.6	CONT	Cont 0
MCHS SERVERS		D D	0				28.1	27.9	22.9	17.4	21.6	22.7	CONT	Cont
		Q	0											0
ILS		D	0				4.9	4.6	3.6	2.9	2.9	3.3	CONT	Cont
														0
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Exhibit P-5, Weapon		Appropriation/ Bu	dget Activity	/Serial No:		P-1 Line Ite	m Nomenclature:			Weapon System	Type:	Date:	
WPN SYST Cost Analysis		Procurement,		rps (1109) / Comm ic Equipment (4)	nunications and	COMM	ION COMPUTER	RESOURCES (P4	178XX)			Feb	ruary 1999
Weapon System	ID		FY 98			FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
MCHS WORKSTATIONS MCHS SERVERS LS								69821 28086 4907					
FOTAL Active Reserve								102814 102265 549					

	Exhib	oit P-40, Budget	tem Justifi	cation Sheet			Date:		February 1999		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ature:					
Procurement, N	Marine Corps (1109) / Communica	ations and Electronic Equipm	ent (4)				MCHS	WORKSTATIONS (A	A478X1)		
Program Elements for Code B	tems:		Code:	Other Related Prog	gram Elements:						
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost				69.8	55.5	41.9	42.8	37.7	42.6	CONT	CONT
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)				69.8	55.5	41.9	42.8	37.7	42.6	CONT	CONT
Initial Spares											
Total Proc Cost				69.8	55.5	41.9	42.8	37.7	42.6	CONT	CONT
Flyaway U/C											•
Wpn Sys Proc U/C											

Marine Corps Common Hardware Client Workstations provide a multi-level capability for user/applications. The multi-level approach includes a minimum of three ranges of varying capability from high, medium and low-end platforms that provide file and applications support for UNIX (RISC) and Intel (CISC) Base applications.

A Client Workstation Infrastructure for all Tactical and Non-Tactical C4I programs. Per the Unified MAGTF C4I IPT "Means changing our viewpoint: From - ensuring that each program can be executed autonomously ... To - ensuring that each program fits within the framework architecture." This is the first stage to a path which provides a Common Marine Corps Information Infrastructure.

The budget figures shown above are based on the individual C4I and non-C4I program AAO requirements and are supported by the centralized modernization initiatve. After completing a comprehensive TO/TE review during early 1999, the requirement analysis will shift to one that is based on allowance deficiencies and technological modernization. This future state will eliminate the traditional stovepipe approach to fielding C4I systems and signal a transition to a Marine Corpswide enterprise approach to network management.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bud Procurement,	Marine Cor	/Serial No: ps (1109) / Comm ic Equipment (4)	unications and		m Nomenclature: MCHS WORKST	ATIONS (A478X1)		Weapon System	Туре:	Date: Feb	ruary 1999
Weapon System	ID		FY 98	1-1()		FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
Got Homonio		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
AFATDS Non MCHS RISC (SP) Desktop Non MCHS RISC (SP) Laptop		•		•	¥		· ·	2733 10544	43 187	63558 56385	,		,
ATLASS CISC Desktop (GP) High CISC Laptop (GP) High								2777 3373	712 496	3900 6800			
ADCP RISC Desktop (GP) Nominal								125	9	13900			
TERPES RISC Desktop (GP) High								50	3	16700			
TCO CISC Laptop (GP) High													
DACT CISC Laptop (RG) High								12858	1415	9087			
CTAPS RISC Desktop (GP) Nominal								3253	234	13902			
IAS CISC Laptop (GP) High RISC Desktop (GP) Nominal RISC Desktop (GP) High								278 1029	41 74	6800 13905			
GCCS CISC Desktop (GP) Nominal								100	40	2500			
TCAC CISC Laptop (GP) High								48	7	6857			
TPCS CISC Laptop (GP) High								818	120				
SUBTOTAL								37986					

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procurement	, Marine Co	r/Serial No: rps (1109) / Comm ic Equipment (4)	nunications and		m Nomenclature: MCHS WORKST	ATIONS (A478X1)		Weapon System	Туре:	Date: Feb	ruary 1999
Weapon System	ID		FY 98	io Equipmoni (1)		FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
COSt Elements		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
DTC CISC Laptop (RG) High RISC Desktop (GP) Nominal		.		Ť	Ψ	20011	*	500 250	48 16	10417 15625	Ψ	200	.
TPC RISC Desktop (GP) Nominal													
CI/HUMINT CISC Desktop (GP) High CISC Laptop (RG) High								9 276	2 40	4500 6900			
Manpower AIS CISC Desktop (GP) Nominal								140	56	2500			
DPRIS CISC Desktop (GP) High													
UDMIPS CISC Desktop (GP) High CISC Laptop (GP) High								3997 2282	1025 336	3900 6800			
MAGTF II Log AIS CISC Desktop (GP) Nominal								651	260	2504			
TCAIMS II CISC Desktop (GP) Nominal CISC Laptop (GP) High								1280 2795	512 411	2500 6800			
Distance Learning CISC Desktop (GP) Nominal CISC Desktop (GP) High								450 273	180 26	2500 10500			
PAO CISC Desktop (GP) Nominal CISC Laptop (GP) Nominal								25 77	10 24	2500 3200			
SUBTOTAL								13005					

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procurement	, Marine Coi	//Serial No: rps (1109) / Comm ic Equipment (4)	nunications and		m Nomenclature: MCHS WORKST	ATIONS (A478X1)		Weapon System	Туре:	Date: Feb	ruary 1999
Weapon System	ID		FY 98			FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
JAVELIN CISC Laptop (GP) High							·	400	59	6780	·		·
rsse CISC Desktop (GP) High								31	8	3875			
SJA CISC Desktop (GP) Nominal CISC Laptop (GP) Nominal								390 24	195 10	2000 2400			
TRSS CISC Laptop (GP) High								300	50	6000			
Modernization CISC Desktop (GP) Nominal								17685	8843	2000			
SUBTOTAL								18830					
TOTAL Active Reserve								69821 69428 393					

Exhibit I	P-5a, Budget Procurement	History a	nd Planning					Date:	February 1	999
Appropriation / Budget Activity/Serial No:		Weapon Syste			P-1 Line Item	Nomenclature	e:			
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4)				_		МСН	IS WORKSTATION			
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
Workstations										
FY00	MCHS BPAs	OTHER	MARCORSYSCOM	*	*	VAR	VAR	NO	N/A	N/A

REMARKS:

*All Windows/Windows NT Desktop, Laptop Server acquisitions will be executed utilizing the acquisition vehicles, configuration, and logistics support contained in the Marine Corps Common Hardware Suite Buyer's Guide administered by PM, Common Computer Resources, MARCORSYSCOM.

	Exi	hibit P-40, Budget I	tem Justific	ation Sheet	t		Date:		February 1999		
Appropriation / Budget Activity/Se	erial No:				P-1 Item Nomencla	ture:					
Procurement, Ma	rine Corps (1109) / Commu	unications and Electronic Equipme	ent (4)				MC	HS SERVERS (A47	3X2)		
Program Elements for Code B Ite	ms:		Code:	Other Related Pro	gram Elements:						
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost				28.1	27.9	22.9	17.4	21.6	22.7	CONT	CONT
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)				28.1	27.9	22.9	17.4	21.6	22.7	CONT	CONT
Initial Spares											
Total Proc Cost				28.1	27.9	22.9	17.4	21.6	22.7	CONT	CONT
Flyaway U/C											
Wpn Sys Proc U/C											

Marine Corps Common Hardware File/Application Servers provides a multi-level capability for applications. The multi-level approach includes a minimum of three ranges of varying capability from high, medium and low-end platforms file and applications support for UNIX (RISC) and Intel (CISC) Base applications.

A Client Workstation Infrastructure for all Tactical and Non-Tactical C4I programs. Per the Unified MAGTF C4I IPT "Means changing our viewpoint: From - ensuring that each program can be executed autonomously ... To - ensuring that each program fits within the framework architecture." This is the first stage to a path which provides a Common Marine Corps Information Infrastructure.

The budget figures shown above are based on the individual C4I and non-C4I program AAO requirements and are supported by the centralized modernization initiatve. After completing a comprehensive TO/TE review during early 1999, the requirement analysis will shift to one that is based on allowance deficiencies and technological modernization. This future state will eliminate the traditional stovepipe approach to fielding C4I systems and signal a transition to a Marine Corpswide enterprise approach to network management.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procurement,	Marine Cor	r/Serial No: rps (1109) / Comm Equipment (4) / 02	nunications and	P-1 Line Ite	m Nomenclature: MCHS SERV	ERS (A478X2)		Weapon System	Туре:	Date: Feb	ruary 1999
Weapon System	ID		FY 98	4		FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
ATLASS Non MCHS RISC (SP) RISC (GP) High		,		,	¥		,	676 7952	6 142	112667 56000	,		•
ADCP RISC (GP) High								503	9	55889			
TERPES RISC (GP) High								56	1	56000			
GCCS RISC (GP) Minimum								608	20	30400			
TPC RISC (GP) High													
IAS RISC (GP) Minimum								982	32	30400			
DMS CISC (GP) High													
DISN CISC (GP) Medimum CISC (GP) High RISC (GP) Minimum								5250 1352 1479	600 52 87	8750 26000 17000			
Manpower AIS RISC (GP) High								112	2	56000			
SMARTS RISC (GP) High								366	4	91500			
TCAIMS II CISC (GP) High								1083	54	20056			
Distance Learning CISC (GP) Medium CISC (GP) High								90 222	3 3	30000 73900			
Total Force Structure CISC (GP) High													
SUBTOTAL								20731					

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procurement	Marine Cor	/Serial No: ps (1109) / Comm quipment (4) / 02	nunications and	P-1 Line Ite	m Nomenclature: MCHS SERVI	ERS (A478X2)		Weapon System	Туре:	Date: Feb	ruary 1999
Weapon System	ID		FY 98			FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
TSSE CISC (GP) Minimum								162	8	20250			
SJA CISC (GP) Minimum								18	2	9000			
Modernization CISC (GP) High								7175	353	20326			
SUBTOTAL								7355					
TOTAL Active Reserve								28086 27930 156					

Exhibit f	P-5a, Budget Procurement	t History a	nd Planning					Date:	February 1	1999
Appropriation / Budget Activity/Serial No:		Weapon Syste	em Type:		P-1 Line Item	Nomenclature	e:	-	-	
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4)						M	ICHS SERVERS (A	478X2)		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$	igspace	Avail	
MCHS SERVERS								 	'	1 1
	MCHS BPAs	OTHER	MARCORSYSCOM	*	*	VAR	VAR	NO	N/A	N/A
I								i ,	'	1 1
I								i l	'	1 '
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REMARKS: *All Windows/Windows NT Desition Lar										

*All Windows/Windows NT Desktop, Laptop Server acquisitions will be executed utilizing the acquisition vehicles, configuration, and logistics support contained in the Marine Corps Common Hardware Suite Buyer's Guide administered by PM, Common Computer Resources, MARCORSYSCOM.

oit P-40, Budget I			P-1 Item Nomencla	ature:			February 1999									
ations and Electronic Equipme		Other Poleted Pres	P-1 Item Nomencla	ature:												
ations and Electronic Equipme		Other Polated Proc		COMMAND POST SYSTEMS (P44404)												
	Code:	Other Poleted Pres	ed Program Elements:													
	Α															
FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog							
									,							
13.6	17.1	4.4	4.9	21.5	25.4	51.4	81.5	CONT	CONT							
13.6	17.1	4.4	4.9	21.5	25.4	51.4	81.5	CONT	CONT							
0.3		0.3														
13.8	17.1	4.7	4.9	21.5	25.4	51.4	81.5	CONT	CONT							
	13.6 13.6 0.3	13.6 17.1 13.6 17.1 0.3 13.8 17.1	FY 1998 FY 1999 FY 2000 13.6 17.1 4.4 13.6 17.1 4.4 0.3 0.3	FY 1998 FY 1999 FY 2000 FY 2001 13.6 17.1 4.4 4.9 13.6 17.1 4.4 4.9 0.3 0.3	FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 13.6 17.1 4.4 4.9 21.5 13.6 17.1 4.4 4.9 21.5 0.3 0.3	FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 13.6 17.1 4.4 4.9 21.5 25.4 13.6 17.1 4.4 4.9 21.5 25.4 0.3 0.3 0.3 0.3 0.3	FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 13.6 17.1 4.4 4.9 21.5 25.4 51.4 13.6 17.1 4.4 4.9 21.5 25.4 51.4 0.3 0.3 0.3 0.3 0.3 0.3 0.3	FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 13.6 17.1 4.4 4.9 21.5 25.4 51.4 81.5 13.6 17.1 4.4 4.9 21.5 25.4 51.4 81.5 0.3	FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 To Complete 13.6 17.1 4.4 4.9 21.5 25.4 51.4 81.5 CONT 13.6 17.1 4.4 4.9 21.5 25.4 51.4 81.5 CONT 0.3 0.3							

THIS IS A ROLLED LINE CONSISTING OF THE FOLLOWING:

TCO Tactical Combat Operations - provides digital mapping, messaging, overlay, and related capabilities to Marine commanders and their staffs at the battalion level above.

ADPE (GCCS) Global Command and Control System - consists of command and control subsystems which enable the National Command Authorities (NCA), the Joint Staff, and commanders at appropriate levels to direct and control the operation of U.S. military forces.

AFATDS Advance Field Artillery Tactical Data System - provides digital fire support Command and Control (C2) automation to Marine Air Ground Task Force (MAGTF) Fire Support Coordination Centers, Fire Direction Centers, and Supporting Arms Coordination Centers (afloat).

UOC Unit Operations Center - will provide a facility and components for the integration of current and planned battlefield automation systems designed to optimize the positioning, interaction, and flow of information among the various staff agencies (G-2, G-3, Operations Directorate, etc.) and their automated information systems and between the unit and higher, adjacent or subordinate units or headquarters.

JTF Communications The Joint Enhanced Core Communications System (JECCS) facilitates a robust command and control capability for the Marine Expeditionary Unit (MEU) and for a Marine Expeditionary Force (MEF) Forward headquarters. It provides the Joint Task Force (JTF) Enabler mission requirement for a "first-in" capability that accesses the Defense Information System Agency (DISA) Standard Tactical Entry Point (STEP) services such as NIPRNET, DSN,VTC, AND AUTODIN.

										Date:				
		Ex	hibit P-40a	a, Budge	t Item Ju	stificatio	n for Agg	regated I	tems			February 1999		
Appropriation / Budget Activity								P-1 Item Nome	nclature:					
Procurement, Marine Co	orps (1109) / C	ommunio	ations and Electr	onic Equipment	t					COMMAND	POST SYSTE	MS (P44404)		
Procurement Items	Code	UOM	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
TACTICAL COMBAT OPERATIONS	Α	D			9.3	1.6								10.9
		Q			352	54								406
ADPE (GCCS/WWMCCS)	Α	D			4.3	2.0	1.3	2.0	1.6	1.7	2.0	1.5	Cont	Cont
		Q												0
AFATDS	Α	D				3.6	3.1	3.0	2.3		0.5	2.6	Cont	Cont
		Q												0
Unit Operations Center (UOC)	В	D							17.5	23.7	48.9	77.4	Cont	Cont
, ,		Q												0
JTF Communications		D				10								10
orr communications														0
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							Date:				
	Exhibi	t P-40, Budget I	tem Justific	cation Sheet					February 1999		
Appropriation / Budget Activity/	/Serial No:				P-1 Item Nomencla	ature:					
Procurement, N	Marine Corps (1109) / Communicati	ions and Electronic Equipm	ent (4)				MANEU	VER C2 SYSTEMS	(P44401)		
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:						
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty	Filor rears	F1 1990	F1 1999	F1 2000	F1 2001	F1 2002	F1 2003	F1 2004	F1 2005	To Complete	Total Flog
Gross Cost	6.7	7.2	22.4	6.8	9.9	2.3					55.3
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	6.7	7.2	22.4	6.8	9.9	2.3	0.0	0.0	0.0		55.3
Initial Spares	7.2			0.5	0.4	0.5	0.3	0.1	0.1		9.0
Total Proc Cost	13.9	7.2	22.4	7.3	10.3	2.8	0.3	0.1	0.1		64.3
Flyaway U/C											
Wpn Sys Proc U/C											

Maneuver C2 is the executive layer of decision support that pulls and fuses information from the functional areas. It provides an integrated representation of the battlespace or a specific area of concern. The systems included in this budget line report unit status and location to the Tactical Combat Operations (TCO) and Advanced Tactical Air Command Control (ATACC). They also disseminate maneuver information throughout the battlespace.

This is a rolled line consisting of the following:

JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS) - an advanced radio system that provides secure, jam resistant information distribution, position location, and identification capabilities in an integrated form for tactical military operations.

DATA AUTOMATED COMMUNICATIONS TERMINAL (DACT) - a situational awareness and communications terminal for echelons at and below the Battalion within the Marine Corps that will receive, store, retrieve, create, modify, transmit, and display map overlays, operational message/reports, and position information via tactical radios, networks, and/or wire lines.

										Date:				
		Ex	hibit P-40a	a, Budge	t Item Jus	stification	for Agg	regated It	ems			February 1999		
Appropriation / Budget Activity								P-1 Item Nome	nclature:					
Procurement,	Marine Corps (1109) / C	ommunic	ations and Electr	onic Equipment						MANEUVE	ER C2 SYSTEM	S (P44401)		
Procurement Items	Code	UOM	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
JTIDS	Α	D		1.2	7.2	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.1
		Q		2		12								14
DACT	В	D		5.6	0.0	12.6	6.8	9.9	2.3	0.0	0.0	0.0	0.0	37.2
		Q		250		1001	1415	982	294					3942
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	Exhibi	it P-40, Budget I	tem Justific	cation Sheet					February 1999		
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomencla	ature:					
Procurement, N	Marine Corps (1109) / Communicati	ions and Electronic Equipme	ent (4)					DACT (A44405)			
Program Elements for Code B I	items:		Code:	Other Related Prog	gram Elements:						
	0206313M		В								
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty	250		1001	1415	982	294					3942
Gross Cost	5.6		12.6	6.8	9.9	2.3					37.2
Less PY Adv Proc											
Plus CY Adv Proc											·
Net Proc (P-1)	5.6	0.0	12.6	6.8	9.9	2.3		0.0	0.0		37.2
Initial Spares				0.5	0.4	0.5	0.3	0.1	0.1		1.8
Total Proc Cost	5.6		12.6	7.3	10.3	2.8	0.3	0.1	0.1		39.0
Flyaway U/C											0.0
Wpn Sys Proc U/C	0		.0	.0	.0	.0					.0

The Data Automated Communications Terminal (DACT) will function as a situational awareness and communications terminal for echelons at and below the Battalion within the Marine Corps. The DACT will receive, store, retrieve, create, modify, transmit, and display map overlays, operational message/reports, and position information via tactical radios, networks, and/or wire lines. A phased approach for fielding the full functionality of the system will be used consisting of software upgrades and enhancements to allow interoperability with other C4I systems.

***Note: Starting in FY00 procurement of all computer workstations and servers are centrally procured under BLI 463000 (CCR). This Policy is in accordance with CMC-C4I Green Letter No. 5-98 dated 11 Jun 98. The following amounts are for this project:

	FY00	FY01	FY02
Quantity of workstations	1415	982	294
Total Procurement Cost (\$M)	6.8	9.9	2.3

DT - Sept 97 - Aug 98 IOT&E - Feb 99 MS I/II - Nov 95 MS III - Jun 99

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bud Procurement,	Marine Cor	/Serial No: ps (1109) / Comm ic Equipment (4)	unications and	P-1 Line Iter	m Nomenclature: DACT (A	A44405)		Weapon System	Type:	Date: Feb	ruary 1999
Weapon System	ID		FY 98	/		FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCo
COSt Liements	0.5		_						_				
Ruggedized Handheld Computer (RHC) Ancillary COTS equipment RHC Vehicle Mount Assembly & accessories Support Equipment Production Support - Raytheon, Indianapolis Factory Training Logistics Support Fravel		\$000	Each	\$	\$000 9471 849 845 100 681 450 205 20	1001 VAR 280	\$ 9462 VAR 3018	\$000 1256 3345 350 800 500 547 40	VAR 1153	\$ VAR 2901	\$000	Each	\$
TOTAL Active Reserves					12621 9521 3100			6838 6838					

Fxh	ibit P-5a, Budget Procureme	nt History a	nd Planning					Date:	February	1999
Appropriation / Budget Activity/Serial No:	Budget Fredarenie	Weapon Syste			P-1 Line Item	Nomenclature	a:		, obludiy	
Procurement, Marine Corps (1109) / Communications and Elect Equipment (4)	ronic	, ,					DACT (A44405	5)		
WBS Cost Elements:	rent, Marine Corps (1109) / Communications and Electronic Equipment (4) Elements: Contractor and Location s zed Handheld Computer (RHC) EPS, Tinton Falls, NJ hicle Mount Assembly & accessories Raytheon, Indianapolis, IN Raytheon, Indianapolis, IN	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issu Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
Ruggedized Handheld Computer (RHC) FY 99	EPS, Tinton Falls, NJ	C/FP/O	MARCORSYSCOM	Jun-99	Aug-99	1001	9462	Y	N/A	May-9
RHC Vehicle Mount Assembly & accessories										
FY 99	Raytheon, Indianapolis, IN	C/TM*/O	MARCORSYSCOM	Jan-99		280	3018	N/A	N/A	N/A
FY 00	Raytheon, Indianapolis, IN	C/TM/O	MARCORSYSCOM	Jan-00	Apr-00	1153	2901	N/A	N/A	N/A
*TM=Time and Material										

REMARKS:

RHC contract awarded in Aug 97. It is Indefinite Delivery, Indefinite Quantity (IDIQ) contract. Individual delivery orders will be placed each year for hardware deliveries. Beginning in FY00 PI CCR will manage all fiscal responsibilities for procurement of RHC's in support of DACT program under Marine Common Hardware Suite (MCHS) concept.

Unit cost for RHC above is taken directly from RHC contract. RHC contract offers price reduction if purchase order quantity is for greater than 1000 RHC's. Unit cost for vehicle mount assembly includes vehicle cables and unit cost is an estimate.

Exhibit P-20, Requirements Study	Approriation/Budget /	Activity/Serial No:				Date:		
Exhibit F-20, Requirements Study	Procure	ment, Marine Corps (1	109) / Communications	and Electronic Equip	ment (4)		Feb-99	
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
MANEUVER C2 SYSTEMS (P44401)	DACT		8	Months			3	Months
Line Descriptions	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		1001	1415	982	294			
Unit Cost		12.6	4.8	10.1	8.0			
Total Cost		12621.0	6838.0	9873.0	2343.0			
Asset Dynamics								
Beginning Asset Position	250	250	393	1958	3048	3576	3942	3942
Deliveries from: FY 1999 Funding		143	858					
Deliveries from: FY 2000 Funding			707	708				
Deliveries from: FY 2001 Funding				382	528	72		
Deliveries from Subsequent Years Funds						294		
Other Gains								
Combat Losses								
Training Losses								
Test Losses								
Other Losses								
Disposals/Retirements/Attritions								
End of Year Asset Position	250	393	1958	3048	3576	3942	3942	3942
Inventory Objective or Current Authorized Allowance								
Inventory Objective Actual Training	Other tha	n Training	Dispo	osals	Vehicles Eligible	9	Aircraft:	
3942 Expenditures	Us	age	(Vehicle	s/Other)	for Replacemen	t	TOAI	
Assets Rqd for 98 thru	98 thru		98 thru	•			PAA:	
Combat Loads 3942 FY XXXX	FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt: FY XXXX	FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline: FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other: FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total: 3942							Storage	

Remarks: Total Cost figures include costs for purchasing:

Ruggedized Handheld Computer (RHC) equipment: Quantity 3,942 Ancillary COTS equipment: variable quantity depending upon item

RHC Vehicle Mount Assembly: Quantity 2,261

^{*}Starting in FY00 total system cost includes funding from BLI 463000 (CCR) in the amounts identified on the P-40 for this project.

FY 00 / 01 BUDGET PRO	OUC	TION SC	HED	ULE			P-1 Item Nomenciature: DACT (A44405) BAL Fiscal Year 98								Date	:			Febr	uary 19	999										
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Ruggedized Handheld Computer (RHC)																															
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FY 00 / 01 BUDGET PRO	DUC	CTION SC	HED	ULE			P-1 Item Nomenciature: DACT (A44405) Fiscal Year 00																Date	:			Febr	uary 19	999		
				PROC	ACCEP.	BAL					Fisc	cal Y	ear (00									Fi		Yea						L
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COST ELEMENTS	F R	FY	E R V	Each	TO 1 OCT	AS OF 1 OCT	O C T	< 0 Z	D E C	JAN	Е		Р	M A Y	N O L	- C ∟	A U G	S E P	0 C T	< 0 Z	DEC	J A N	F E B	M A R		M A Y	N N	- C ∟	A U G	S E P	T E R
Ruggedized Handheld Computer (RHC)	\mathbf{I}		V					v	-	- 14		11	IX	_	- 1	_	Ü	_	_	V	-	- 14		IX	- 1	Ė	11	_			<u> </u>
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	Exhibi	t P-40, Budget I	tem Justific	cation Sheet			Date:		February 1999		
Appropriation / Budget Activity/	/Serial No:				P-1 Item Nomencla	ature:					
Procurement, Mai	rine Corps (1109) / Communications	s and Electronic Equipment	(4) / 029				RAI	DIO SYSTEMS (P44	1445)		
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:						
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											-
Gross Cost	42.5	25.2	46.2	82.9	3.1						199.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	42.5	25.2	46.2	82.9	3.1	0.0	0.0	0.0	0.0		199.8
Initial Spares	4.0	1.6	4.6	3.8			1.4				15.2
Total Proc Cost	46.5	26.7	50.7	86.6	3.1		1.4				215.0
Flyaway U/C											
Wpn Sys Proc U/C											•

This is a roll-up line which contains the following programs:

SINCGARS RADIO - The SINCGARS radio replaces all AN/PRC-77 Manpack, Bancroft, and AN/VRC-12 family of vehicular radios currently in the Marine Corps inventory. The SINCGARS radio is used as the primary means of communication for command control as well as fire support on the battlefield.

GROUND MOBILE FORCES (GMF) (STAR-T) - The GMF START-T (Super High Frequency (SHF) Tri-band Advanced Range Extension Terminal) is a tactical satellite terminal that is mounted on a heavy HMMWV. All components will be self contained on a removable pallet and can operate independently of the HMMWV, and each terminal will be interoperable with existing tactical satellite terminals and Tri-Tac equipment.

SECURE MOBILE ANTI-JAM RELIABLE TACTICAL TERMINAL (SMART-T) - This terminal operates with MILSTAR compatible communications payloads and transmits an extremely high frequency (EHF) uplink signal and receives a super high frequency (SHF) downlink signal to provide the MAGTF commander with robust, low probability of intercept, jam resistant communications.

AN/PSC-5 ENHANCED MANPACK RADIO - A manportable UHF satellite communications (SATCOM) terminal that will provide long range, single channel, communications.

STANDARD JOINT TASK FORCE HEADQUARTERS (SJTF HQ) - The purpose is to support the internal and external communication requirements for the Headquarters element of the SFT. The SFT HQ (CSA) provides the STF with a reapidly deployable, easy to use, redundant communication system utilizing minimum equipment types.

ENHANCE POSITIONING LOCATOR REPORTING SYSTEM (EPLRS) - Will provide Marine Forces with a critical command, control, and situational awareness data distribution network that does not currently exist. Provides robust, seamless, and integrated data distribution that supports numerous MAGTF C4I tactical data systems.

HIGH FREQUENCY (HF) RADIOS - These radios employ advanced technology to provide high-speed data rates, digital voice, automatic link establishment 9ALE), frequency hopping, multi-waveform modems (serial tone, 39 tone, and FSK), embedded COMSEC, active squelch, and improved power management.

GLOBAL BROADCAST SERVICE (GBS) TERMINAL - A small lightweight, multi-megabit-per-second receive only Satatellite Communications (SATCOM) suite. It will receive and disseminate Global broadcasts of standard products such as UAV Video, Classified and Unclassified intelligence information, weather, theater message traffic, joint and service-unique news.

		Ex	hibit P-40a	a, Budge	t Item Ju	stification	n for Agg	regated I	tems	Date:		February 1999		
Appropriation / Budget Activity						P-1 Item Nome	nclature:							
Procurement, Marine Corps	(1109) / 0	Communi	cations and Electr	onic Equipmen	t					RADI	O SYSTEMS (P	44445)		
Procurement Items	Code	UOM	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
SINCGARS	Α	D			6.6	8.6	5.0	0.0	0.0	0.0	0.0	0.0		20.2
GROUND MOBILE FORCES (STAR-T)	В	Q D			0.0	8.3	51.4	1.0	0.0	0.0	0.0	0.0		60.6
CROOMS MOSILE FOR OLD (OTAL)		Q			0.0	5	33	0	0.0	0.0	0.0	0.0		38
SMART-T	Α	D			0.0	18.1	0.6	0.0	0.0	0.0	0.0	0.0		18.7
		Q				24	1							25
AN/PSC-5 ENHANCED MANPACK RADIO	Α	D			0.0	0.4	3.7	0.0	0.0	0.0	0.0	0.0		4.1
		Q												0
LANT SJTF HQ	Α	D			0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0		0.8
		Q												0
ENHANCE POSITIONING LOCATOR REPORTING SY	Α	D			18.5	10.1	3.7	1.1	0.0	0.0	0.0	0.0		33.3
		Q												0
HIGH FREQUENCY (HF) RADIOS	Α	D			0.0	0.0	5.8	0.4						6.2
		Q					306							306
GLOBAL BROADCAST SERVICE	В	D			0.0	0.0	12.7	0.7	0.0	0.0	0.0	0.0		13.4
		Q					105	0						105
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Exhibit P-5, Weapon		Appropriation/ Bud	-			P-1 Line Ite	m Nomenclature:			Weapon System	Type:	Date:	
WPN SYST Cost Analysis				rps (1109) / Comm Equipment (4) / 02			KADIO SYST	EMS (P44445)				Febr	ruary 1999
Weapon System	ID		FY 98			FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
SINCGARS	1	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
GROUND MOBILE FORCES (START-T)	A B	6639			8568 8293			4978					
SMART-T	В				8293 18100			51369 626					
N/PSC-5 ENHANCED MANPACK RADIO	А	18			379			3733					
ANT SJTF HQ	A	10			751			3733					
NHANCE POSITIONING LOCATOR	Α	18509			10060			3686					
IIGH FREQUENCY (HF) RADIOS	Α							5813					
SLOBAL BROADCASTING SERV (GBS)	В							12676					
, ,													
OTAL		25166			46151			82881					
Active		25166			41756			74755					
Reserve					4395			8126					
								I				l	

	Exhib	it P-40, Budget	ltem Justifi	cation Sheet	t		Date:		February 1999		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ature:					
Procurement, Mar	rine Corps (1109) / Communication	s and Electronic Equipment	t (4) / 029					SINCGARS (A44363	3)		
Program Elements for Code B	Items:		Code:	Other Related Pro	gram Elements:						
			Α								
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty	23987										23987
Gross Cost	191.7	6.6	8.6	5.0							211.9
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	191.7	6.6	8.6	5.0	0.0	0.0	0.0	0.0	0.0		211.9
Initial Spares	4.0	1.6	2.1								7.7
Total Proc Cost	195.7	8.2	10.7	5.0							219.6
Flyaway U/C											0.0
Wpn Sys Proc U/C	0										.0

The SINCGARS radio replaces all AN/PRC-77 Manpack, Bancroft, and AN/VRC-12 family of vehicular radios currently in the Marine Corps inventory. The SINCGARS radio is used as the primary means of communication for command and control as well as fire support on the battlefield. SINCGARS is highly reliable with over 1250 hours mean time between failure and the built-in test equipment eases the workload. Frequency hopping capability offers low probability of intercept, while integrated COMSEC deletes the requirement for external communications security equipment.

SINCGARS Radios will not be procured beyond FY 1997.

Funding in FY 1998 - FY 2000 reflects costs associated with the fielding and support of SINCGARS to include: Installation

Prior years Procurement in BLI 451000, SINCGARS.

Exhibit P-5, Weapon WPN SYST Cost Analysis			Marine Cor	/Serial No: ps (1109) / Comm quipment (4) / 02		P-1 Line Ite	m Nomenclature: SINCGAR	S (A44363)		Weapon System	Type:	Date: Feb	ruary 1999
Weapon System	ID		FY 98	4		FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
SINCGARS		****		,	,		*	400		-	7		*
Ancillary Equipment Installation Kits Maintenance Support Field Service Representatives New Equipment Training Teams Fielding/Installation by Contractor Reliability Award Fee Contracting Support		303 1300 1600 2150 1022 264			449 280 1351 1688 3441 1022 337			252 1093 3298 335					
TOTAL Active Reserve		6639 6639			8568 8568			4978 4978					

FY 00 / 01 BUDGET PRO	DUC	CTION SO	HED	ULE			P-1 It	em No	menci	ature:					RS (A4	4363)						Date				Febru	ary 19	99	
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	Exhibi	t P-40, Budget I	tem Justific	cation Sheet					February 1999		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ature:	•				
Procurement, Mar	rine Corps (1109) / Communications	s and Electronic Equipment	(4) / 029				GROUND MO	BILE FORCES (ST	AR-T) (A44245)		
Program Elements for Code B I	Items:		Code:	Other Related Prog	gram Elements:						
	26313M/C2275*		В								
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty			5	33							38
Gross Cost			8.3	51.4	1.0						60.6
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)		0.0	8.3	51.4	1.0	0.0	0.0	0.0	0.0		60.6
Initial Spares			1.2	2.4							3.6
Total Proc Cost			9.5	53.8	1.0						64.2
Flyaway U/C											1.6
Wpn Sys Proc U/C			1.7	1.6							1.6

The GMF STAR-T (Super High Frequency (SHF) Tri-band Advanced Range Extension Terminal) is a tactical satellite terminal that is mounted on a heavy HMMWV. All components (communications equipment and antenna) will be self contained on a removable pallet and can operate independently of the HMMWV. Each terminal will be interoperable with existing tactical satellite terminals and Tri-Tac equipment. These terminals will also be compatible with the other services. Due to its configuration on one HMMWV, this terminal will provide increased mobility with roll-on, roll-off capability.

*Army MS I/III-Jul 94 DT-Oct 97 OT-Mar 99 MC MS III - 3QTR FY99

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procurement	, Marine Co	rps (1109) / Comm			m Nomenclature: ND MOBILE FOR	CES (STAR-T) (A		Weapon System	Туре:	Date: Feb	ruary 1999
				equipment (4) / 02	29	E)/ 00			E)/ 00			E)/ 0/	
Weapon System	ID CD	TotalCost	FY 98 Qty	UnitCost	TotalCost	FY 99 Qty	l InitCoat	TotalCost	FY 00 Qty	UnitCost	TotalCost	FY 01 Qty	UnitCost
Cost Elements	CD	\$000	Each	\$	\$000	Each	UnitCost \$	\$000	Each	\$	\$000	Each	\$
GMF	В	\$000	Lacii	Φ	8000	5	э 1600000	49500	33		\$000	Each	φ
SUPPORT:													
Engineering Support Factory/Net Training					223 50			660 150					
Travel					20			25					
Fielding					20			1034					
TOTAL													
TOTAL ACTIVE					8293			51369 43869					
RESERVE								43869 7500					
NEGEN VE								7500					
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Exhibit	P-5a, Budget Procurement I	History a	nd Planning					Date:	February 1	999
Appropriation / Budget Activity/Serial No:	, 3	Weapon Syste			P-1 Line Item	Nomenclature	a:			
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029			71 -		2		MOBILE FORCES (444245)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First		Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
GMF										
FY 99	RAYTHEON		CECOM	Apr-99	Apr-00	5	1600000		No	N/A
FY 00	RAYTHEON	C/FFP	CECOM	Jan-00	Sep-00	33	1500000	Yes	No	N/A
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Exhibit P-20, Requi	iromonte Study	Approriation/Budget	Activity/Serial No:				Date:		
Exilibit F-20, Nequi	mements Study	Procureme	ent, Marine Corps (1109	9) / Communications an	d Electronic Equipme	ent (4) / 029		February 1999	
P-1 Line Item Nomenclature (Include	e DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
RADIO S'	YSTEMS (P44445)	GMF		6	Months			12	Months
GMF		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary			5	33					
Unit Cost			1658.6	1556.6					
Total Cost			8293.0	51369.0					
Asset Dynamics									
Beginning Asset Position	n				7	38	38	38	38
Deliveries from:	FY 1999 Funding			5					
Deliveries from:	FY 2000 Funding			2	31				
Deliveries from:	FY 2001 Funding								
Deliveries from Subsequ	uent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/A	Attritions								
End of Year Asset Posit	ion			7	38	38	38	38	38
Inventory Objective or Curr	ent Authorized Allowance								
Inventory Objective	Actual Training	Other th	an Training	Dispo	osals	Vehicles Eligible		Aircraft:	
38	Expenditures		sage	(Vehicle	s/Other)	for Replacemen		TOAI	
Assets Rqd for	98 thru	98 thru		98 thru	· ·			PAA:	
Combat Loads	FY XXXX	FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX			•	Inactive Inv	
Total:						=		Storage	

Remarks: Support costs are included in unit costs.

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Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomencla	iture:					
Procurement, Mari	ine Corps (1109) / Communication	s and Electronic Equipment	(4) / 029					SMART-T (A44130)			
Program Elements for Code B I	Items:		Code:	Other Related Prog	gram Elements:						
			А								
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty			24	1							25
Gross Cost			18.1	0.6							18.7
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)		0.0	18.1	0.6	0.0	0.0	0.0	0.0	0.0		18.7
Initial Spares											
Total Proc Cost			18.1	0.6							18.7
Flyaway U/C											0.7
Wpn Sys Proc U/C			.8	.6							.7

The MILSTAR SMART-T is a palletized, transportable, heavy HMMMV-mounted tactical satellite communications terminal that operates with MILSTAR compatible communications payloads. SMART-T transmits an extremely high frequency (EHF) uplink signal and receives a super high frequency (SHF) downlink signal to provide the MAGTF commander with robust, low probability of intercept, jam resistant communications. SMART-T provides multi-channel medium and low data rate communications simultaneously. The SMART-T will provide the Marine Corps alignment with the Joint Staff MILSATCOM architecture in the EHF satellite frequency spectrum and provide MAGTF elements with multi-channel internal and external, long haul, critical command and control communications. The SMART-T will meet the Joint requirement for a data/voice satellite communications system that will provide secure, mobile, worldwide, anti-jam, low probability of intercept tactical communications not subject to terrain masking or distance limitations.

Nearon System	Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bud Procurement,	-	/Serial No: ps (1109) / Comm	unications and	P-1 Line Ite	m Nomenclature: SMART-T	(A44130)		Weapon System	Type:	Date: Feb	ruary 1999
Cost Elements				Electronic E				0.000	(/////00)					idaly 1000
\$MART-T TERMINAL A \$000 Each \$ \$000 Each \$ \$000 Each \$ \$000 Each \$ \$000 Each \$ \$000 Each \$ \$000 Each \$ \$ \$000 Each \$ \$ \$000 Each \$ \$ \$000 Each \$ \$ \$ \$000 Each \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Weapon System													
A 15816 24 659000 626 1 626000	Cost Elements	CD					,							
ACTORY TRAINING INGINEERING SUPPORT INTEGRATED LOGISTICS SUPPORT TRAVEL IELDING INSTALL BY CONTRACTOR IET TRAINING TOTAL ACTIVE TOTAL TO	SMART-T TERMINAL		\$000	Each	\$	\$000	Each					\$000	Each	\$
ACTIVE 14805 0 0	FACTORY TRAINING ENGINEERING SUPPORT INTEGRATED LOGISTICS SUPPORT TRAVEL FIELDING INSTALL BY CONTRACTOR NET TRAINING	(75 189 180 20 1100	24	059000	020	,	020000			
	TOTAL ACTIVE RESERVE					18100 14805			0					

Exhibit	P-5a, Budget Procurement I	History a	nd Planning					Date:	February 1	1999
Appropriation / Budget Activity/Serial No:		Weapon Syste			P-1 Line Item	Nomenclature	e:			$\overline{}$
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029							SMART-T (A441)			
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	<u> </u>
SMART-T TERMINAL									1	
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Exhibit P-20, Requi	iromonte Study	Approriation/Budge	t Activity/Serial No:				Date:		
Exilibit F-20, Nequi	mements Study	Procurem	ent, Marine Corps (110	9) / Communications an	d Electronic Equipme	ent (4) / 029		February 1999	
P-1 Line Item Nomenclature (Include	e DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	RADIO SYSTEMS (P44445)			0	Months			24	Months
SMART-T		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary			24	1					
Unit Cost			754.2	626.0					
Total Cost			18100.0	626.0					
Asset Dynamics									
Beginning Asset Position	n					24	25	25	25
Deliveries from:	FY 1999 Funding				24				
Deliveries from:	FY 2000 Funding					1			
Deliveries from:	FY 2001 Funding								
Deliveries from Subsequ	uent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/A	Attritions								
End of Year Asset Posit	ion				24	. 25	25	25	25
Inventory Objective or Curr	ent Authorized Allowance								
Inventory Objective	Actual Training	Other th	nan Training	Dispo	osals	Vehicles Eligible	9	Aircraft:	
25	Expenditures	U	Isage	(Vehicle	s/Other)	for Replacemen		TOAI	
Assets Rqd for	98 thru	98 thru		98 thru	•			PAA:	
Combat Loads	FY XXXX	FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX			· ·	Inactive Inv	
Total:						=		Storage	

Remarks: Support costs included in FY99 unit cost above.

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Appropriation / Budget Activity/	/Serial No:				P-1 Item Nomencla	iture:	•				
Procurement, Mar	rine Corps (1109) / Communication	is and Electronic Equipment	(4) / 029				AN/PSC-5 ENH	ANCED MANPACK	RADIO (A44131)		
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:						
			Α								
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost	0.1	0.0	0.4	3.7							4.2
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	0.1	0.0	0.4	3.7	0.0	0.0	0.0	0.0	0.0		4.2
Initial Spares			1.2	0.4							1.6
Total Proc Cost	0.1	0.0	1.6	4.1							5.9
Flyaway U/C											
Wpn Sys Proc U/C											
Th - AN/DOO 5 :-	a magamantahia IIII a		:+: (OA	TOOM) 4	والأرب فجمله المحا					Th- ANI	/DCC F

The AN/PSC-5 is a manportable UHF satellite communications (SATCOM) terminal that will provide long range, single channel, communications. The AN/PSC-5 incorporates the Demand Assigned Multiple Access (DAMA) protocol mandated by the Joint Staff. The AN/PSC-5 provides embedded Communications Security (COMSEC) and encrypted voice and data capabilities, ensuring multi-service interoperability with most existing and planned communications systems. In addition to voice and data, the AN/PSC-5 interfaces facsimile, teletype, NET Radio Interface (NRI), and SINCGARS.

FY96 and prior years procurement found in BLI 402700, Manpack Radios & Equipment.

Exhibit P-5, Weapon WPN SYST Cost Analysis			Marine Cor	rps (1109) / Comm			m Nomenclature: 5 ENHANCED MA	ANPACK RADIO (A		Weapon System	Туре:	Date: Feb	ruary 1999
	ID		FY 98	equipment (4) / 02	29	FY 99			FY 00		1	FY 01	
Weapon System	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
Cost Elements	CD	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
N/PSC-5 ANCILLARY EQUIP		\$000	Each	Ф	\$000	Each	Ф	\$000	Lacii	φ	\$000	Each	Φ
Ancillary Equipment													
Mounts Remotes					311	14	22214	3733	190	19647			
raining		18			68			0700	100	10047			
OTAL Active		18 18			379 379			3733 3733					
Reserve		10			319			3733					

Exhibit	P-5a, Budget Procurement I							Date:	February 1	1999
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029		Weapon Syste	em Type:			Nomenclature AN/PSC-5 EN	e: NHANCED MANPAC	K RADIO	(A44131)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years	<u> </u>	and Type			Delivery	Each	\$		Avail	
Mounts FY 99	тво	C/FFP	CECOM Ft. Monmouth,NJ	Mar-99	Sep-00	14	22214	YES	NO	N/A
Remotes							<u> </u>			
FY 00	TBD	C/FFP	NSWC Dahlgren, VA	Mar-00	Sep-00	190	19647	YES	NO	N/A
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Procurement, Ma	rine Corps (1109) / Communication	ns and Electronic Equipment	(4) / 029			EI	NHANCE POSITION	IING LOCATOR REI	PORTING SY (A44	633)	
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:						
			А								
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost		18.5	10.1	3.7	1.1						33.3
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)		18.5	10.1	3.7	1.1	0.0	0.0	0.0	0.0		33.3
Initial Spares				0.9							0.9
Total Proc Cost		18.5	10.1	4.6	1.1						34.3
Flyaway U/C											•
Wpn Sys Proc U/C											•

The Enhanced Position Location Reporting System (EPLRS) will provide Marine Forces with a critical command, control, and situational awareness data distribution network that does not currently exist. EPLRS provides robust, seamless, and integrated data distribution that supports numerous MAGTF C4I tactical data systems. The system will be fielded to infantry, artillery, light armored vehicle (LAV), tank, and mobile command units. EPLRS will be the primary entry node for sensor collected information from forward deployed units for transmission to higher headquarters; this type of connectivity is not currently available. The EPLRS system is being fielded to the U.S. Army as their tactical data distribution network, thus, data connectivity between Army and Marine Forces will be made easier when operating in a Joint environment. The U.S. Navy is employing EPLRS as part of it's KSG-1 program. This functionality will support Marine Forces during amphibious operations. The Air National Guard is employing EPLRS in all their Block III F-16's for data and situational awareness distribution.

The primary EPLRS system components are a Net Control Station (NCS) and Enhanced PLRS User Units (EPU). The NCS provides control, timing, monitor and crptographic variable generation and update for the EPLRS network.

US Army Milestone III: Feb 97 US Army contract award: Dec 97

Exhibit P-5, Weapon WPN SYST Cost Analysis			Marine Corp	/Serial No: ps (1109) / Comm quipment (4) / 02			m Nomenclature: E POSITIONING I (A44	LOCATOR REPOR	RTING SY	Weapon System	Туре:	Date: Feb	ruary 1999
Weapon System	ID		FY 98			FY 99	,	,	FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
EPLRS EPUU's RADIO SETS	+	\$000 17774	Each 672	\$ 26449	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
EPLRS Net Control Station					4400	8	550000						
TRAVEL					75			75					
PROGRAM SUPPORT CONTRACTOR SUPPORT FIELDING					395			934 230 850					
NEW EQUIPMENT TRAINING					215			350					
MANUALS AND INSTRUCTIONS					500			400					
INTEGRATED LOGISTICS SUPPORT					225			225					
K013 CRYPTOGRAPH		735	21	35000									
EPLRS ANCILLARIES					2300			207					
INSTALLATION KITS					1400			300					
SPECIAL PURPOSE TEST EQUIPMENT					550			115					
TOTAL		18509			10060			3686					
ACTIVE RESERVE		18509 0			8960 1100			3686 0					

								Date:		
Exhib	oit P-5a, Budget Procurement	t History a	and Planning					ŗ	February 1	1999
Appropriation / Budget Activity/Serial No:		Weapon Sys	tem Type:		P-1 Line Item	Nomenclatur	э:			
Procurement, Marine Corps (1109) / Communications and Electro Equipment (4) / 029	nic				ENHA	ANCE POSITI	ONING LOCATOR I	REPORTIN	NG SY (A	14633)
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs	Date	RFP Issue
		Method			Delivery	Each	\$	Avail?	Revsn Avail	Date
Fiscal Years EPLRS EPUU'S RADIO SETS		and Type			Delivery	Each	Ф	 	Avaii	
FY 98	HUGHES DEFENSE, FOREST,MI	FFP	CECOM	Dec-97	Dec-99	672	26449	Yes	No	N/A
F1 90	THOUTES DETENDE, I OREST, WII		CECOW	Dec-97	Dec-33	072	20449	165	INO	IN/A
EPLRS Net Control Station								 		
FY 99	UNKNOWN	FFP	СЕСОМ	Jan-99	Nov-99	8	550000	Yes	No	N/A
								L	Ь	
REMARKS:										

Exhibit P-20, Require	omonte Study	Approriation/Budget A	Activity/Serial No:				Date:		
Exhibit F-20, Require	ements Study	Procuremen	nt, Marine Corps (11	09) / Communications ar	nd Electronic Equipme	nt (4) / 029		February 1999	
P-1 Line Item Nomenclature (Include D	OODIC for Ammunition Items):		Admin Leadtime (af	ter Oct 1):			Prod Leadtime:		
RADIO	SYSTEMS (P44445) EPLRS			3	Months			18	Months
EPUU Radio Systems		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		672							
Unit Cost		27.5							
Total Cost		18509.0							
Asset Dynamics									
Beginning Asset Position					560	672	672	672	672
Deliveries from:	FY 1999 Funding								
Deliveries from:	FY 2000 Funding			560	112				
Deliveries from:	FY 2001 Funding								
Deliveries from Subseque	nt Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/Att	ritions								
End of Year Asset Position	n			560	672	672	672	672	672
Inventory Objective or Curren	nt Authorized Allowance								
Inventory Objective	Actual Training	Other tha	n Training	Disp	osals	Vehicles Eligible	;	Aircraft:	
764	Expenditures	Us	age	(Vehicle	es/Other)	for Replacemen	t	TOAI	
Assets Rqd for	98 thru	98 thru		98 thru				PAA:	
Combat Loads	FY XXXX	FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:			-					Storage	

Remarks: THE INVENTORY OBJECTIVE DIFFERENCE OF 92 WILL BE PROCURED WITH THE MARINE CORPS RESERVE'S NATIONAL GUARD AND RESERVE EQUIPMENT APPROPRIATION (NGREA).

SUPPORT COST INCLUDED IN UNIT COST.

							Date:				
I	Exhib	it P-40, Budget I	tem Justific	cation Sheet					February 1999		
Appropriation / Budget Activity/	/Serial No:				P-1 Item Nomencla	iture:					
Procurement, Ma	rine Corps (1109) / Communication	s and Electronic Equipment	(4) / 029				HIGH FREC	QUENCY (HF) RADIO	OS (A48XXX)		
Program Elements for Code B	Items:		Code:	Other Related Prog	ram Elements:						
I			Α								
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty				306							306
Gross Cost				5.8	0.4						6.2
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)		0.0	0.0	5.8	0.4						6.2
Initial Spares											
Total Proc Cost				5.8	0.4						6.2
Flyaway U/C											
Wpn Sys Proc U/C											
	dios utilize the 1.6 MF		-	-							

Manpack (HF) radios utilize the 1.6 MHz to 29.999 MHz electromagnetic spectrum. These radios employ advanced technology to provide high-speed data rates, digital voice, automatic link establishment (ALE), frequency hopping, multi-waveform modems (serial tone, 39 tone, and FSK), embedded COMSEC, active squelch, and improved power management. Current long haul capabilities rely on radios that are aged, very heavy and do not provide the capabilities of current HF technology. This radio meets the fundamental requirements of communication through increased reliability, speed, and flexibility over long haul HF single channel radio nets. The automatic link establishment alleviates manpower intensive HF management. The flexibility to communicate in both UHF and VHF ranges provide a dual function capability. The compact and lightweight characteristics are an inherent plus in lightening the load of the combat field radio operator.

FY98 Congressional plus-up procured 46 AN/PRC-138 Portable Radios in BLI 474700 Intelligence Support Equipment P-1 line #20.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procurement,	Marine Cor	r/Serial No: rps (1109) / Comm Equipment (4) / 02	nunications and		m Nomenclature: H FREQUENCY (I	HF) RADIOS (A48)	(XX)	Weapon System	Туре:	Date: Feb	ruary 1999
Weapon System	ID		FY 98	- quipo (1) / 02		FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
COSt Elements		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
High Frequency (HF) Radios		·					·	5661	306	18500			·
Fraining Fravel Fielding								42 35 75					
TOTAL ACTIVE RESERVE								5813 5813					

Exhibit I	P-5a, Budget Procurement I	listory a	nd Planning					Date:	February 1	1999
Appropriation / Budget Activity/Serial No:		Weapon Syst	_		D 4 Line Here	Nomenclatur				
Procurement, Marine Corps (1109) / Communications and Electronic		vveapon oyst	ет туре.		r-1 Line iten					
Equipment (4) / 029						HIGH FR	EQUENCY (HF) RA		3XXX)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
High Frequency RADIOS										
FY 00	HARRIS CORP, ROCHESTER, NY	FFP	SOCOM	Jan-00	Jan-01	306	18500	YES	YES	N/A
				3 a 3 3	Jan J		.0000		0	,, .
DEMARKO	I	l	1					l .		l
REMARKS:										

Exhibit P-20, Requir	romante Study	Approriation/Budget	Activity/Serial No:				Date:		
•		Procureme	nt, Marine Corps (1109	9) / Communications an	nd Electronic Equipme	ent (4) / 029		February 1999	
P-1 Line Item Nomenclature (Include	DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
RADIO SYS	STEMS (P44445)	HF Radios		3	Months			12	Months
MANPACK HF RADIOS		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary				306					
Unit Cost				18.5					
Total Cost				5813.0					
Asset Dynamics									
Beginning Asset Position		46	46	46	46	352	352	352	352
Deliveries from:	FY 1999 Funding								
Deliveries from:	FY 2000 Funding				306	i			
Deliveries from:	FY 2001 Funding								
Deliveries from Subseque	ent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/At	ttritions								
End of Year Asset Position	on	46	46	46	352	352	352	352	352
Inventory Objective or Curre	nt Authorized Allowance								
Inventory Objective	Actual Training	Other tha	n Training	Disp	osals	Vehicles Eligible)	Aircraft:	
352	Expenditures	Us	age	(Vehicle	es/Other)	for Replacemen	t	TOAI	
Assets Rqd for	98 thru	98 thru		98 thru				PAA:	
Combat Loads	FY XXXX	FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:								Storage	

Remarks: FY98 Congressional plus up purchase of 46 procured in BLI 474700 Intelligence Support Equipment under Portable Radios program.

FY 00 / 01 BUDGET PROD	OUC	CTION SC	HED	ULE			P-1 lte	em No	menc	lature:	Н	GH F	REQU	ENCY	′ (HF)	RADI	IOS (A	48XX	(X)				Date	:			Febr	uary 19	999		
				PROC	ACCEP.	BAL					Fis	cal `	Year										Fis		Yea						L
	М		S	QTY	PRIOR	DUE							(ndar	' Yea	ar 98							С	alen	dar `	Year	99			Α
	F	FY	E	Each	TO	AS OF	00	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	M A	J	J	Α	S	T
COST ELEMENTS	R		R V		1 OCT	1 OCT	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	S E P	O C T	0 V	D E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	E R
High Frequency Radios																															
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FY 00 / 01 BUDGET PROD	UC	TION SC	HED	ULE			P-1 Ite	em Noi	menc	lature:	НІ	GH FI	REQU	ENCY	′ (HF)	RADI	IOS (A	48XX	X)				Date:				Febru	uary 19	999		
				PROC	ACCEP.	BAL					Fisc	cal \	Year										Fis		Year						L
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High Frequency Radios																															
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FY 00 / 01 BUDGET PROD	UC	TION SC	HED	ULE			P-1 Ite	em No	menc	ature:	Н	lIGH	FREQI	UENC	Y RAD	DIOS	S (A48)	XXX)					Date	:			Febr	uary 1	999		
				PROC	ACCEP.	BAL					Fisc	al Y	ear ()2									Fi	scal	Yea	r 03					L
	М		S	QTY	PRIOR	DUE							С	alen	ndar `	Yea	ar 02							С	alen		Year	03			Α
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COST ELEMENTS	R		R V		1 OCT	1 OCT	C T	0 V	E C	A N		A R	P R	A Y	U N	U L	U G	S E P	0 C T	O V	DEC	A N	E B	A R	P R	A Y	U N	U L	U G	E P	E R
High Frequency Radios																									Ī						
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	Exhib	it P-40, Budget I	tem Justific	cation Shee	t		Date:		February 1999		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	iture:	-				
Procurement, Mar	ine Corps (1109) / Communication	s and Electronic Equipment	(4) / 029				GLOBAL BR	OADCAST SERVIC	E TERMINAL		
Program Elements for Code B	Items:		Code:	Other Related Pro	gram Elements:						
			В								
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty				105							105
Gross Cost				12.7	0.7						13.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)		0.0	0.0	12.7	0.7	0.0	0.0	0.0	0.0		13.4
Initial Spares											
Total Proc Cost				12.7	0.7						13.4
Flyaway U/C											
Wpn Sys Proc U/C											

The GBS Receive Suite is a small, lightweight, multi-megabit-per-second receive only Satellite Communications (SATCOM) suite. The GBS Receive Suite will receive and disseminate Global broadcasts of standard products such as UAV Video, Classified and Unclassified intelligence information, weather, theater message traffic, joint and service-unique news, Classified and Unclassified video, and morale welfare and recreation (MWR) programming. The suite will consist of a SATCOM receiver, Router, Crypto, low end processor, cabling, 18" SATCOM antenna, and Transportation Cases. The GBS Receive Suite will come in two versions; a Transportable Ground Receive Suite (TGRs) and a Fixed Ground Receive Suite (FGRS). The TGRS will be packaged in transport cases and will have the ability to be quickly transported and set-up to operate in a tactical environment. The program is a joint program with the U.S. Air Force as the lead service.

Exhibit P-5, Weapon		Appropriation/ Bu	-	//Serial No: rps (1109) / Comm	nunications and	P-1 Line Ite	m Nomenclature:			Weapon System	Type:	Date:	ruary 1999
WPN SYST Cost Analysis			Electronic E	rps (1109) / Comm Equipment (4) / 02			BAL BROADCAS	T SERVICE TERM					uary 1999
Weapon System	ID		FY 98	1		FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost \$000	Qty Each	UnitCost \$	TotalCost \$000	Qty Each	UnitCost \$	TotalCost \$000	Qty Each	UnitCost \$	TotalCost \$000	Qty Each	UnitCos \$
		\$000	Lacii	φ	<u> </u>	Lacii	Ψ			•		Lacii	φ
Global Braodcast Service Terminal (GBS)								12600	105	120000			
ielding													
raining													
ΓAD								10					
Program Support								66					
Total Active Reserve								12676 12676					

Exhibit ¹	P-5a, Budget Procurement							Date:	February 1	1999
Appropriation / Budget Activity/Serial No:		Weapon Syste	em Type:		P-1 Line Item	n Nomenclature	e:	<u> </u>		
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029		<u></u>				GLOBAL I	BROADCAST SERV	/ICE TERI	MINAL	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
Global Broadcast Service Terminal FY00	Raytheon El Segundo, CA	FFP	Los Angeles AFB	Jan-00	Jan-01	105	120000	Yes	Yes	N/A
REMARKS:										

Exhibit P-20, Requ	iromonte Study	Approriation/Budget	Activity/Serial No:				Date:		
Exilibit F-20, Nequ	mements Study	Procurem	ent, Marine Corps (11	09) / Communications an	d Electronic Equipme	ent (4) / 029		February 1999	
P-1 Line Item Nomenclature (Include	de DODIC for Ammunition Items):		Admin Leadtime (a	fter Oct 1):			Prod Leadtime:		
RADIO S	SYSTEMS (P44445)	GBS		3	Months			12	Months
GBS		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary				105					
Unit Cost				120.7					
Total Cost				12676.0					
Asset Dynamics									
Beginning Asset Position	on					105	105	105	105
Deliveries from:	FY 1999 Funding								
Deliveries from:	FY 2000 Funding				105				
Deliveries from:	FY 2001 Funding								
Deliveries from Subseq	uent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/	Attritions								
End of Year Asset Posi	tion				105	105	105	105	105
Inventory Objective or Cur	rent Authorized Allowance			0					
Inventory Objective	Actual Training	Other th	an Training	Dispo	osals	Vehicles Eligible	9	Aircraft:	
105	Expenditures	U	sage	(Vehicle	s/Other)	for Replacemen		TOAI	
Assets Rqd for	98 thru	98 thru		98 thru				PAA:	
Combat Loads	FY XXXX	FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX			•	Inactive Inv	
Total:		·				=		Storage	

Remarks: Unit cost includes support costs.

FY 00 / 01 BUDGET PROD	UC	CTION SC	HED	ULE			P-1 Ite	em Non	nenci	lature:	GLO	BAL	BROAI	DCAS	T SER	VICE	TER	MINA	L.			1	Date:	:			Febr	uary 19	999		
				PROC	ACCEP.	BAL					Fisc	al Y	ear 9										Fis		Yea						L
	М		S	QTY	PRIOR	DUE									dar \												Year	99			Α
	F	FY	E	Each	TO 1 OCT	AS OF	0	N	D		F		A I	M		J	A	S	0	N	D	J	F	М	A	M	J	J	A	S	T
COST ELEMENTS	R		R V		1 OCT	1 OCT	C T	0 V	E C	A N			R		U I	U L	U G	S E P	O C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	E R
												T																			
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Exhibi	t P-40, Budget I	tem Justifi	cation Sheet					February 1999		
/Serial No:				P-1 Item Nomencla	ature:					
rine Corps (1109) / Communications	s and Electronic Equipment	(4) / 030			CC	OMMUNICATIONS S	SWITCHING AND CO	ONTROL SYS (P44	1446)	
Items:		Code:	Other Related Prog	gram Elements:						
Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
1 1101 1 0010	1 1 1000		2000	2001	2002	2000	200 .	2000	. o complete	
14.0	43.1	75.4	65.1	14.2	0.2	0.3	0.3	0.4		213.0
14.0	43.1	75.4	65.1	14.2	0.2	0.3	0.3	0.4		213.0
0.7	2.2	0.1	2.0	3.7	3.7					12.4
14.7	45.3	75.5	67.1	17.9	3.9	0.3	0.3	0.4		225.4
	Serial No: rine Corps (1109) / Communication: Items: Prior Years 14.0 0.7	Serial No: Initial Corps (1109) / Communications and Electronic Equipment	Serial No: Initial Corps (1109) / Communications and Electronic Equipment (4) / 030 Items: Code: Prior Years FY 1998 FY 1999 14.0 43.1 75.4 14.0 43.1 75.4 0.7 2.2 0.1	Serial No: Friend Corps (1109) / Communications and Electronic Equipment (4) / 030 Code:	Prior Years	Serial No:	P-1	P-1	P-1 Item Nomenclature:	P-1 Item Nomenclature: P-1 Item Nomenclature:

This is a roll-up line which contains the following programs:

UNIT LEVEL CIRCUIT SWITCH (ULCS) - A family of Tri-Service Tactical Communications digital voice and data equipment consisting of AN/TTC-42 (280 Line), and various digital telephones and multiplexers that provide an automatic telephone capability to the field.

TACTICAL DATA NETWORK (TDN) - Provide the Marine Corps with a complete, integrated data network, forming the communication backbone for Marine Air Ground Task Force (MAGTF) tactical data systems and Defense Mapping System. This system will also provide file transfer services, electronic message handling and routing of digital messages between the Local Area Network (LAN), the circult switched network, and the single channel radio network.

DIGITAL TECH CONTROL (DTC) - Facilitates the installation, operation, restoration, and management of individual circuits and digital links consisting of many multiplexed circuits. It provides the prima interface between subscriber systems/networks within a local area and long-haul multichannel transmission systems to transport voice, message, data, and imagery traffic.

DEFENSE MESSAGE SYSTEM (DMS) - A DOD-wide program to integrate Automatic Digital Network (AUTODIN) and E-mail into a single, secure DoD message communications system. It will expand writer-to-reader connectivity, support, and message security services

										Date:				
		Ex	hibit P-40	a, Budge	t Item Ju	stificatior	n for Agg					February 1999)	
Appropriation / Budget Activity								P-1 Item Nome						
Procurement, Marine Corp						1	1			NICATIONS SW				1
Procurement Items		-	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004		To Complet	
UNIT LEVEL CIRCUIT SWITCH	Α	D Q				2.9	0.0	0.0	0.0	0.0	0.0	0.0		2.9
		•												
TACTICAL DATA NETWORK (TDN)	Α	D			24.7	49.6	24.1	11.0	0.2	0.3	0.3	0.4		110.6
		Q			6 116	12 244	13 87							0
DIGITAL TECHNICAL CONTROL (DTC)	A	D			11.3	18.3	33.7	0.0	0.0	0.0	0.0	0.0		63.3
		Q			5	9	16					5.0		30
DEFENSE MESSAGE SYSTEM (DMS)	Α	D			7.1	4.5	7.4	3.2	0.0	0.0	0.0	0.0		22.2
		Q												0
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Exhibit P-5, Weapon WPN SYST Cost Analysis			Marine Cor	r/Serial No: rps (1109) / Comm Equipment (4) / 03				CHING AND CONT	FROL SYS	Weapon System	Type:	Date: Feb	ruary 1999
Weapon System	ID		FY 98			FY 99	,		FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
JNIT LEVEL CIRCUIT SWITCH (ULCS) FACTICAL DATA NETWORK (TDN)	A A	24707		*	2943 49606		<u> </u>	24063		Ψ	Ψ	240	Ψ
DIGITAL TECHNICAL CONTROL (DTC)	Α	11293			18330			33704					
DEFENSE MESSAGE SYSTEM (DMS)	Α	7120			4475			7358					
TOTAL ACTIVE		43120 40646			75354 69366			65125 43588					
RESERVE		2474			5988			21537					

	Exhib	it P-40, Budget I	tem Justifi	cation Sheet			Date:		February 1999		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ature:					
Procurement, Ma	rine Corps (1109) / Communication	ns and Electronic Equipment	(4) / 030				TACTICAL D	ATA NETWORK (T	DN) (A44239)		
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:						
			Α								
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty		6 116	12 244	13 87							
Gross Cost		24.7	49.6	24.1	11.0	0.2	0.3	0.3	0.4		110.6
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)		24.7	49.6	24.1	11.0	0.2	0.3	0.3	0.4		110.6
Initial Spares				0.7	1.4	1.4					3.5
Total Proc Cost		24.7	49.6	24.8	12.4	1.6	0.3	0.3	0.4		114.1
Flyaway U/C											•
Wpn Sys Proc U/C											•

The Tactical Data Network (TDN) will provide the Marine Corps with a complete, integrated data network, forming the communication backbone for Marine Air Ground Task Force (MAGTF) tactical data systems and Defense Mapping System. The TDN consists of two major components: the TDN Gateway and the TDN Server. Both will provide file transfer services, electronic message handling and routing of digital messages between the Local Area Network (LAN), the circuit switched network, and the single channel radio network. In addition, the TDN Gateways will be in an S-788 shelter, mounted on a H-HMMWV for mobility. It will be fielded to the Marine Expeditionary Forces (MEF) headquarters and to the Major Subordinate Commands (MSC's). The TDN Server will be in transit cases and will be man portable. It will be fielded down to the battalion/squadron level.

MS I/II APR 95

OT 26 SEP 97 (Completed at Camp Pendleton)

MS III Approved APR 98

Exhibit P-5, Weapon WPN SYST Cost Analysis			, Marine Cor	/Serial No: ps (1109) / Comm quipment (4) / 03			m Nomenclature: FICAL DATA NET\	WORK (TDN) (A44	1239)	Weapon System	Туре:	Date: Feb	ruary 1999
Weapon System	ID		FY 98	.qa.po (1) / 00		FY 99			FY 00		Ī	FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
OOST EICHICHTS	+	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
DN GATEWAY/SHELTER	Α	6634			13493	12	1124417	14587	13	1122077	ΨΟΟΟ	Lacii	Ψ
DN SERVER	Α	15232			32585	244	133545	9476	87	108920			
contractor Support factory Training (I&KP) fechnical Manuals ogistics Support fravel ICP's		591 525 750 940 35			591 525 750 1627 35								
OTAL Active Reserve SERVERS GATEWAYS		24707 22233 2474 263 2211			49606 43618 5988 3739 2249	28 2		24063 13978 10085 7841 2244	72 2				

	Exhibit P-5a, Budget Procureme	nt History a	and Planning					Date:	February 1	999
Appropriation / Budget Activity/Serial No:		Weapon Syst	_		P-1 Line Item	Nomenclature) :		. ob. da.y	
Procurement, Marine Corps (1109) / Communications an	nd Electronic					TACTICAL	. DATA NETWORK	(TDN) (A	44239)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issu
Fiscal Years		and Type			Delivery	Each	\$		Avail	
TDN GATEWAY/SHELTER										
FY 98	GTE, TAUNTON, MASS	C/FFP	MARCORSYSCOM CTQ	Jan-99	Apr-00	6	1105667	Υ	Oct 98	Jun-9
FY 99	GTE, TAUNTON, MASS	C/FFP	MARCORSYSCOM CTQ	Jan-99	Jul-00	12	1124417			Jun-9
FY 00	GTE, TAUNTON, MASS	C/FFP	MARCORSYSCOM CTQ	Oct-99	Jan-01	13	1122077			Jun-98
TDN SERVER										
FY 98	GTE, TAUNTON, MASS	C/FFP	MARCORSYSCOM CTQ	Jan-99	Jan-00	116	131310	Υ	Oct 98	Jun-9
FY 99	GTE, TAUNTON, MASS	C/FFP	MARCORSYSCOM CTQ	Jan-99	Jul-00	244	133545	Υ	Oct 98	
FY 00	GTE, TAUNTON, MASS	C/FFP	MARCORSYSCOM CTQ	Oct-99	Jul-01	87	108920	Υ	Oct 98	Jun-9
REMARKS:										

Exhibit P-5A, Procurement Bli No. 463400 Item No. 34 Page 6 of 19 History and Planning

Exhibit P-20, Requi	romante Study	Approriation/Budget	Activity/Serial No:				Date:		
Exhibit F-20, Requi	Terrierits Study	Procureme	nt, Marine Corps (1109	9) / Communications an	nd Electronic Equipme	ent (4) / 030		February 1999	
P-1 Line Item Nomenclature (Include	DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
COMMUNICATIONS	SWITCHING AND CONTROL SY	STEMS (P44446)		3	Months			15	Months
TDN GATEWAY/SHELTER		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		6	12	13					
Unit Cost		1579.2	1418.4	1122.1					
Total Cost		9475.0	17021.0	14587.0					
Asset Dynamics									
Beginning Asset Position					12	31	31	31	31
Deliveries from:	FY 1999 Funding			6	6				
Deliveries from:	FY 2000 Funding				13				
Deliveries from:	FY 2001 Funding								
Deliveries from Subsequ	ent Years Funds								
Other Gains				6					
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/A	ttritions								
End of Year Asset Position	on			12	31	31	31	31	31
Inventory Objective or Curre	ent Authorized Allowance								
Inventory Objective	Actual Training	Other that	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:	
31	Expenditures	Us	age	(Vehicle	es/Other)	for Replacemen		TOAI	
Assets Rqd for	98 thru	98 thru		98 thru	ĺ			PAA:	
Combat Loads	FY XXXX	FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX			•	Inactive Inv	
Total:						=		Storage	

Remarks: Total cost includes support costs.

Exhibit P-20, Requi	romante Study	Approriation/Budget	Activity/Serial No:				Date:		•
Exhibit F-20, Requi	rements study	Procureme	nt, Marine Corps (1109	9) / Communications an	nd Electronic Equipme	nt (4) / 030		February 1999	
P-1 Line Item Nomenclature (Include	DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
COMMUNICATIONS	SWITCHING AND CONTROL S	SYSTEMS (P44446)		3	Months			12	Months
TDN SERVER		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		116	244	87					
Unit Cost		131.3	133.5	108.9					
Total Cost		15232.0	32585.0	9476.0					
Asset Dynamics									
Beginning Asset Position	1			116	180	420	447	447	447
Deliveries from:	FY 1999 Funding			64	180				
Deliveries from:	FY 2000 Funding				60	27	•		
Deliveries from:	FY 2001 Funding								
Deliveries from Subsequ	ent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/A	ttritions								
End of Year Asset Positi	on			180	420	447	447	447	447
Inventory Objective or Curre	ent Authorized Allowance	e							
Inventory Objective	Actual Trainii	ng Other tha	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:	
447	Expenditure	s Us	age	(Vehicle	es/Other)	for Replacemen		TOAI	
Assets Rqd for	98 thru	98 thru		98 thru	,	·		PAA:	
Combat Loads	FY XXXX	FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX			•	Inactive Inv	
Total:	·	•				='		Storage	

Remarks: Total cost does not include support costs.

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	Exhibi	it P-40, Budget I	tem Justifi	cation Sheet					February 1999		
Appropriation / Budget Activity/	/Serial No:				P-1 Item Nomencla	iture:	•				
Procurement, Ma	rine Corps (1109) / Communication	s and Electronic Equipment	(4) / 030				DIGITAL TECH	HNICAL CONTROL	(DTC) (A44241)		
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:						
			Α								
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty		5	9	16							30
Gross Cost		11.3	18.3	33.7							63.3
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)		11.3	18.3	33.7							63.3
Initial Spares				1.3	2.3	2.3					5.9
Total Proc Cost		11.3	18.3	35.0	2.3	2.3					69.2
Flyaway U/C											2.1
Wpn Sys Proc U/C		2.3	2.0	2.4							2.1

The Digital Technical Control (DTC) facilitates the installation, operation, restoration, and management of individual circuits and digital links consisting of many multiplexed circuits. It provides the primary interface between subscriber systems/networks within a local area and long-haul multichannel transmission systems to transport voice, message, data, and imagery traffic. It can add, drop and insert digital circuits into multiplexed groups; provide a source of stable timing to connected equipment; condition circuits; and perform analog/digital, 2-wire, and signalling conversions. It contains the monitoring, testing, and patching equipment required by technical controllers to troubleshoot and restore faulty circuits and links.

MS I/II Apr 95

OT 26 Sep 97 (OT completed at Camp Pendleton)

MS III Approved APR 98

***Note: Starting in FY00 procurement of all computer workstations and servers are centrally procured under BLI 463000 (CCR). Policy is in accordance with CMC-C4I Green Letter No. 5-98 dated 11 JUN 98. The following amounts are for this project:

Workstations FY00 Qty 64 Amt 0.750

Exhibit P-5, Weapon		Appropriation/ Bu	-				m Nomenclature:			Weapon System	Туре:	Date:	
WPN SYST Cost Analysis			Electronic E	ps (1109) / Comm quipment (4) / 03			L TECHNICAL CO	ONTROL (DTC) (A					ruary 1999
Weapon System	ID		FY 98			FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
DIGITAL TECHNICAL CONTROL AN/TSQ-XXX	Α	8795	5	1759000	16101	9	1789000	29138	16	1821125			
SUPPORT COSTS Engineering Logistics Support Factory Training (I&KP) Technical Manuals Training (NET) Testing		542 626 335 382			575 651 511 492			403 447 200 200					
TAD		75						50					
ECP								2866					
Contractor Support		538						400					
TOTAL Active Reserve		11293 11293			18330 18330			33704 22777 10927					

	Exhibit P-5a, Budget Procureme								February 1	1999
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications	and Electronic	Weapon Syst	tem Type:		P-1 Line Item	Nomenclature				
Equipment (4) / 030	and Electronic		_			DIGITAL TE	CHNICAL CONTRO	_	_	_
/BS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Iss Date
iscal Years		and Type			Delivery	Each	\$		Avail	
DIGITAL TECHNICAL CONTROL AN/TSQ)-XXX									
Y98	GTE, TAUNTON, MASS	C/FFP	MCSYSCOM	Jan-99	Apr-00	5	1759000	Yes	Oct 98	
Y99	GTE, TAUNTON, MASS	C/FFP	MCSYSCOM	Jan-99	Jun-00	9	1789000	Yes	Oct 98	
Y00	GTE, TAUNTON, MASS	C/FFP	MCSYSCOM	Oct-99	Nov-00	16	1821125	Yes	Oct 98	Jun-9
REMARKS:										

Exhibit P-20, Requi	romante Study	Approriation/Budget	Activity/Serial No:				Date:		
Exhibit F-20, Requi	rements study	Procureme	nt, Marine Corps (110	9) / Communications an	nd Electronic Equipme	ent (4) / 030		February 1999	
P-1 Line Item Nomenclature (Include	DODIC for Ammunition Items):	Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
COMMUNICATIONS	SWITCHING AND CONTROL	SYSTEMS (P44446)		3	Months			15	Months
DIGITAL TECH CONTROL		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		5	9	16					
Unit Cost		2258.6	2036.7	2106.5					
Total Cost		11293.0	18330.0	33704.0					
Asset Dynamics									
Beginning Asset Position					12	30	30	30	30
Deliveries from:	FY 1999 Fundin	g		7	2				
Deliveries from:	FY 2000 Fundin	g			16				
Deliveries from:	FY 2001 Fundin	g							
Deliveries from Subsequ	ent Years Funds								
Other Gains				5					
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/A	ttritions								
End of Year Asset Position	on			12	30	30	30	30	30
Inventory Objective or Curre	nt Authorized Allowand	ce							
Inventory Objective	Actual Train	ning Other tha	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:	
30	Expenditur	es Us	sage	(Vehicle	es/Other)	for Replacemen		TOAI	
Assets Rqd for	98 thru	98 thru		98 thru	ĺ	·		PAA:	
Combat Loads	FY XXXX	FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX			•	Inactive Inv	
Total:		•				=		Storage	

Remarks:

^{***}Note: Starting in FY00 total system cost includes funding from BLI 463000 (CCR) in the amounts identified on the P-40 for this project.

FY 00 / 01 BUDGET PROD	UC	TION SC	HED	ULE			P-1 Ite	em No	menc		DIGIT				CONTR	ROL ((DTC)	(A44	241)				Date				Febr	uary 19	99		
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FY 00 / 01 BUDGET PRO	DUC	CTION SC	HED	ULE			P-1 To	em No	menc	lature:	DIGIT	AL TI	ECHN	ICAL C	CONTR	OL (D	TC) (A	44241)			Date	1:			Febru	ary 199	9	
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							Date:				
	Exhibi	it P-40, Budget I	tem Justific	cation Sheet					February 1999		
Appropriation / Budget Activity/	/Serial No:				P-1 Item Nomencla	iture:	•				
Procurement, Mai	rine Corps (1109) / Communications	s and Electronic Equipment	(4) / 030				DEFENSE MI	ESSAGE SYSTEM (DMS) (A44402)		
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:						
			Α								
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost		7.1	4.5	7.4	3.2						22.2
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	8.4	7.1	4.5	7.4	3.2						30.6
Initial Spares											
Total Proc Cost		7.1	4.5	7.4	3.2						22.2
Flyaway U/C											
Wpn Sys Proc U/C											•

DMS is DOD-wide program to integrate Automatic Digital Network (AUTODIN) and E-mail into a single, secure DoD message communications system. DMS will expand writer-to-reader connectivity, support, and message security services. Organizations and individuals will be able to create, edit, send, receive, read, and process organizational and individual messages, secured with end-to-end protection, direct from desktop terminals/personal computers in their workspaces.

Essentially, DMS will encompass the Marine Corps' current Banyan E-mail and AUTODIN systems as well as the following additional capabilities:

- ** Connectivity to all users in DoD
- ** Secure networking of classification (UNCLASS, SECRET, TS, SIC)
- ** Ability to send organizational messages from the desktop terminals/personal computers in their workspaces.

OT - Mar 97

IOT&E - Aug 97

Successful completion of IOT&E. Interim MAISRC decision - Oct 97

***Note: Starting in FY00 procurement of all computer workstations and servers are centrally procured under BLI 463000 (CCR). Policy is in accordance with CMC-C4I Green Letter No. 5-98 dated 11 Jun 98. The following amounts are for this project:

FY01 FY02 FY03 FY04 FY05

Workstations QTY/\$ 34/0.085

Servers QTY/\$ 223/4.523 272/5.523 223/4.523 272/5.523

Exhibit P-5, Weapon WPN SYST Cost Analysis			Marine Cor	r/Serial No: rps (1109) / Comm Equipment (4) / 03			m Nomenclature: NSE MESSAGE S	YSTEM (DMS) (A4	14402)	Weapon System	Type:	Date: Feb	ruary 1999
Weapon System	ID		FY 98	4 (1), 00		FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
DMS		3833			2260			5839					
TRAVEL		50			50			50					
FACTORY TRAINING		420			700			500					
NETWORK INSTALLATION		2600			1160			744					
SITE SURVEYS		45			130			50					
CONTRACTOR SUPPORT		172			175			175					
TOTAL Active Reserve		7120 7120			4475 4475			7358 6833 525					

							Date:						
	Exhibi	t P-40, Budget I	tem Justific	cation Sheet			February 1999						
Appropriation / Budget Activity	/Serial No:				P-1 Item Nomenclature:								
Procurement, Ma	rine Corps (1109) / Communication	s and Electronic Equipment	(4) / 031				COMM/ELE	C INFRASTRUCTU	RE (P44448)				
Program Elements for Code B	Items:		Code:	Other Related Prog	Other Related Program Elements:								
<u> </u>	1	ı			1	1	Γ	Γ	T	T T			
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog		
Proc Qty													
Gross Cost	56.8	63.4	89.9	81.8	58.3	42.9	22.6	13.7	20.1	Cont	Cont		
Less PY Adv Proc													
Plus CY Adv Proc													
Net Proc (P-1)	56.8	63.4	89.9	81.8	58.3	42.9	22.6	13.7	20.1	Cont	Cont		
Initial Spares													
Total Proc Cost	56.8	63.4	89.9	81.8	58.3	42.9	22.6	13.7	20.1	Cont	Cont		
Flyaway U/C													
Wpn Sys Proc U/C													

The Marine Corps Communication/Electronic Infrastructure Support program is an aggregation of inter-related data processing disciplines. The overall objective is to achieve modernization and increase processing capacity, both of which are required to allow continued operation of existing automated information systems and the implementation of new corporate information management (CIM) automated information systems (AIS) to support all functional areas. The Marine Corps has a continuing need to upgrade its computer equipment and system software by replacement or augmentation in order to keep pace with user demands and changing technology.

1. BASE TELECOMMUNICATIONS INFRASTRUCTURE: Provides funding for base telephone and transmission systems which are used to transfer voice, data, imagery, etc. aboard Marine Corps bases and stations. These systems also provide users access to worldwide information systems such as the Defense Information Systems Network, the Internet, and various commercial systems. The base telecommunications Infrastructure consists of a fiber optic backbone, multiplexers and high speed transmission equipment capable of supporting any foreseeable bandwidth requirements on demand. Telephone systems will use Integrated Switched Digital Network (ISDN) technology to provide integrated and switched voice, video, and data capability. All base host telephone systems will be upgraded to year 2000 compliance under this program.

		Date:
Exhibit P-40, Budget Item Justification Sheet		February 1999
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 031		COMM/ELEC INFRASTRUCTURE (P44448)

- 2. NETWORK INFRASTRUCTURE: The Marine Corps Network Infrastructure program standardizes, upgrades, and replaces key information transfer components located on supporting establishment bases inside support facilities to ensure global connectivity for Marine forces, and support DoD-sponsored and Marine Corpsunique applications. This program focuses on providing local area network (LAN) hardware, software, and internal wiring for buildings on Marine Corps bases. Network infrastructure components include data communication hubs, routers, switches, premise structured wiring, network management tools, remote connectivity software, office automation software, and operating systems software. The Defense Mega-Center (DMC) St. Louis will provide legacy mainframe application system support for the foreseeable future.
- 3. MCTFS-UD/MIPS MISSO SERVER: A robust pair of servers for each MISSO for LAN support in order to hold the large volume of information required for accessing MCTFS via UD/MIPS and all applicable users manuals, Station Allowance Advisory Notices, Travel Advisory Notices, Pay and Allowances Notices, Systems Assurance Officers, all Marine Corps Activities, Automated Pay Systems Manuals, Record of Emergency Data, Basic Individual Records, Basic Training Records, Reserve Basic Individual Records, Reserve Basic Training Records, and Leave and Earning Statements, computer based training, etc. This allows for better service to support contingency planning/actions. A minimum total of 14 servers are required, two each for MISSO 02, 03, 06, 09, 16/17 (co-located), 27 and the PA School. Servers can be provided from on-hand assets for MISSO 11, the deploying MISSO. The cost/benefit analysis by the Manpower Information Systems Support Activity, Kansas City, has shown that providing each MISSO with a pair of servers allows for significantly enhanced support to all regional reporting units. It also allows for reducing dependency on use of mainframe connectivity. The deploying MISSO only deploys with a MEF, MEF Forward or large element to support 25,000 personnel or more. The deployed MISSO normally is deployed and co-located with FSSG-G-1 and will be supported by the G-1/G-6 of the supporting unit in the local theater of operations for all support. Each MISSO supports a minimum of 25,000 Marines. The MISSO provides the visual extract files that allow commanders, staffs and administrators to see near real time information regarding the pay, personnel manpower, training, security and limited mobilization data on all active and reserve Marines and supports and annual amount of 16 million transactions into MCTFS. This reporting, which must be done electronically and reviewed daily, requires this critical "MISSO Server" Infrastructure. It also supports the MAGTF C4I Telecommunications Infrastructure.
- 4. MANPOWER AUTOMATED INFORMATION SYSTEM SUPPORT (MAISS): Provides funding for the automated data processing hardware and software required to support ongoing RDT&E projects and for the replacement of existing hardware/software as it reaches the end of its service life. This funding is required to support decision makers and planners throughout M&RA in support of the manpower process. The ability to execute the manpower process is critical to the mission of M&RA. Without MAISS, serious degradation of modeling and system's support exist along with a loss of immediate access to historical data necessary for day-to-day decision making. This leads to poor manpower forecasting and management with the ultimate result of manpower imbalance in quantity, quality and skill mixes.

		Date:
Exhibit P-40, Budget Item Justification Sheet		February 1999
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 031		COMM/ELEC INFRASTRUCTURE (P44448)

- 5. ASSET TRACKING LOGISTICS AND SUPPLY SYSTEM (ATLASS): ATLASS involves the migration of Marine Corps intermediate and consumer level supply and maintenance from a mainframe into in a personal computer application using a networked client-server environment. ATLASS Phase II+ consolidates the total force intermediate and consumer level supply and maintenance information management functions into a single material management system. ATLASS Phase II+ is a client-server based supply maintenance and material readiness AIS that is readily deployable. ATLASS Phase II+ supports any size deployment and retains flexibility to exploit existing commercial and government off-the-shelf software. This system is compliant with MAGTF C4I concept, GCCS COE, and published DOD standards for open systems architecture.
- 6. MAGTF LOGISTICS INFRASTRUCTURE: A family of microcomputers that provide the operating forces the necessary tools to support both deliberate and crisis action situations from initiation and mobilization/deployment through employment in an area of responsibility. MAGTF LOG AIS provides core deployment planning and execution capability. It supports Joint Service efforts (TCAIMS and MDSSII are Joint Migration Systems). It is the key contributor to USMC Total Asset Visibility (barcode and radio frequency technology). Provides key elements of GCCS functionality (MAGTF II feeds into JOPES).
- 7. TACTICAL SYSTEM SUPPORT EQUIPMENT (TSSE): Required equipment and support for the Marine Corps Tactical System Support Activity's effort on Life Cycle Software (LCSS) for tactical systems. Investment items are essential to form the basis of software support for the Marine Corps tactical data systems that are fielded.
- 8. OPTICAL DIGITAL IMAGING (ODI-RMS): Provides the Marine Corps the ability to process, store and retrieve Official Military Personnel Files for all active and reserve Marines in an Optical Digital Imaging (ODI) format. The use of this advanced technology will reduce the current goal of maintaining these records, virtually eliminate their loss and provide multiple users simultaneous access.

		Date:
Exhibit P-40, Budget Item Justification Sheet		February 1999
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 031		COMM/ELEC INFRASTRUCTURE (P44448)

9. MARINE CORPS DECISION SUPPORT SYSTEM PRINCIPAL END ITEM STRATIFICATION: Provides the Marine Corps the ability to integrate the automated Principal End Item Stratification, Depot Level Maintenance Program and Capability Evaluation processes with an interactive client/server data warehouse in order to facilitate the types of analysis that support the rapid and accurate decision making necessary for the improved life cycle management of Marine Corps weapon systems.

***Note: Starting in FY00 procurement of all computer workstations and servers are centrally procured under BLI 463000 (CCR). Policy is in accordance with CMC-C4I Green Letter No. 5-98 dated 11 Jun 98. The following amounts are for this project:

FY00	FY01	FY02	FY03	FY04	FY05
QTY/\$	QTY/\$	QTY/\$	QTY/\$	QTY/\$	QTY/\$

ATLASS

Workstations 1208/6.150 640/3.279 Servers 148/8.628 91/5.209

MCTFS-UDMIPS MISSO SERVER

Workstations 1361/6.279 1094/4.500 11/.044

Tactical System Support Equip (TSSE)

Workstations 8/.031 Servers 8/.162

Exhibit P-5, Weapon WPN SYST Cost Analysis			Marine Cor	/Serial No: ps (1109) / Comm quipment (4) / 03			m Nomenclature: //M/ELEC INFRAS	STRUCTURE (P444	448)	Weapon System	Type:	Date: Feb	ruary 1999
Weapon System	ID		FY 98	4		FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
COSt Elements		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
BASE TELECOM INFRASTRUCTURE NETWORK INFRASTRUCTURE MCTFS-UDMIPS MISSO SERVER MANPOWER AUTOMATED INFO SYS ATLASS MAGTF LOG AIS TACTICAL SYSTEM SUPPORT EQUIP DPRIS-ODI-RMS MCDSS PEI STRAT		42070 14715 760 59 3745 851 524 640	Lucii	ų.	48485 24300 344 486 10552 5704	Lucii	Ţ	43000 33661 3489 836 784	Laci	Ψ	ψοσο	Laci	Ψ
TOTAL Active Reserve		63364 63364			89871 89871			81770 81770					

Exhibit F	P-5a, Budget Procurement	History a	nd Planning					Date:	February ²	1999
Appropriation / Budget Activity/Serial No:		Weapon Syste			P-1 Line Item	Nomenclature	e:		,	
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 031						COMM/E	LEC INFRASTRUC	TURE (P4	4448)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
BASE TELECOM INFRASTRUCTURE										
FY98 OK & MAINLAND JA TELE SYS UPGRADE	GTE, CHANTILLY, VA	C/FFP	AIR FORCE (WIDTS)	Jan-98	Apr-98	VAR	7302	YES	N/A	
FY98 OK & MAINLAND JA OUTSIDE CABLE ENG	NISE EAST	C/FFP	NAVY	Jan-98	Jan-98	VAR	1000	YES	N/A	
FY98 PEN OUTSIDE CABLE PLANT UPGRADE	GTE, CHANTILLY, VA	C/FFP	ARMY (OSCAR II)	Jan-98	Apr-98	VAR	7529	YES	N/A	
FY98 BEAUFORT TELE & OUTSIDE CABLE ENG	USAISC, FT RITCHIE, MD	C/FFP	ARMY	Nov-97	Apr-98	VAR	540	YES	N/A	
FY98 BEAU TELE & OUTSIDE CABLE UPGRADE	GTE, CHANTILLY, VA	C/FFP	ARMY (MTMP, OSCAR II)	Jul-98	Sep-98	VAR	4500	YES	N/A	
FY98 CHERRY PT TELE & OUTSIDE CABLE ENG	USAISC	C/FFP	ARMY (CECOM)	Nov-97	Apr-98	VAR	940	YES	N/A	
FY98 CHRY PT TELE & OUTSIDE CABLE UPGRADE	GTE, CHANTILLY, VA	C/FFP	ARMY (MTMP,OSCAR II)	Jul-98	Sep-98	VAR	17500	YES	N/A	
FY98 TELE Y2K COMPLIANCE 29 PALMS	LUCENT, GREENSBORO, NC	C/FFP	ARMY (DSSMP)	Mar-98	Apr-98	VAR	723	YES	N/A	
FY98 TELE Y2K COMPLIANCE YUMA	GTE, CHANTILLY, VA	C/FFP	ARMY (DSSMP)	Mar-98	Apr-98	VAR	1315	YES	N/A	
FY99										
ALBANY TELES&WITCH OUTSIDE CABLE PNT UPGI	CTE CHANTILLY VA	C/FFP	ARMY OSCAR	May-99	Sep-99	VAR	14200	YES	N/A	
29PLMS TELE&OUTSIDE CABLE PLANT UPGRADE		C/FFP	ARMY OSCAR	May-99		VAR	7500		N/A	
QUANTICO TELE&WITCH OUTSIDE CABLE PNT U/G		C/FFP	ARMY OSCAR		Sep-99	VAR	14400	YES	N/A	
BARSTOW SWITCH&OUTSIDE PLANT UPGRADE	CTE CHANTILLY VA	C/FFP	ARMY OSCAR		Sep-99	VAR	10860		N/A	
ENGINEER SUPPORT	CTE CHANTILLY VA	C/FFP/O	ARMY OSCAR	May-99		VAR	1000	YES	N/A	
PROGRAM SUPPORT	CTE CHANTILLY VA	C/FFP/O	ARMY OSCAR	May-99		VAR	525	YES	N/A	
FY00										
PARRIS ISLAND OUTSIDE PLANT UPGRADE UPGRADE AND SWITCH	CTE CHANTILLY VA	C/FFP	ARMY OSCAR	Jan-00	Apr-00	VAR	1830	YES	N/A	
HAWAII OUTSIDE CABLE UPGRADE	CTE CHANTILLY VA	C/FFP	ARMY OSCAR	Jan-00	Apr-00	VAR	7046	YES	N/A	
MCRD SAN DIEGO TEL OUTSIDE PT UPGRADE	CTE CHANTILLY VA	C/FFP	ARMY OSCAR	Jan-00	Apr-00	VAR	2250		N/A	
WICK SAN DIEGO TEL GOTGIDE I I GEGRADE	OLF OLIVIALIEFL AV	0/116	ARWIT OOOAK	Jan-00	/\ρι-00	VAIN	2230	123	14/74	
REMARKS:										

Exhibit	P-5a, Budget Procureme	nt History a	nd Planning					Date:	February	1999
Appropriation / Budget Activity/Serial No:		Weapon Syste	em Type:		P-1 Line Item	n Nomenclatur	e:			
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 031						COMM/E	LEC INFRASTRUC	TURE (P4	4448)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
FY00 CONTINUED										
YUMA OUTSIDE PLANT UPGRADE	CTE CHANTILLY VA	C/FFP	ARMY OSCAR	Jan-00	Apr-00	VAR	4939	YES	N/A	
BUTLER JAPAN OUTSIDE PLANT UPGRADE	CTE CHANTILLY VA	C/FFP/O	ARMY OSCAR	Jan-00	Apr-00	VAR	17000	YES	N/A	
PENDLETON OUTSIDE PLANT UPGRADE	CTE CHANTILLY VA	C/FFP/O	ARMY OSCAR	Jan-00	Apr-00	VAR	8000	YES	N/A	
QUANTICO OUTSIDE PLANT UPGRADE	CTE CHANTILLY VA	C/FFP/O	ARMY OSCAR	Jan-00	Apr-00	VAR	1934	YES	N/A	
FY01										
QUANTICO OUTSIDE CABLE PLANT UPGRADE	CTE CHANTILLY VA	C/FFP/O	ARMY OSCAR	Jan-01	Apr-01	VAR	5266	YES	N/A	
FUJI JAPAN TELEPHONE&OUTSIDE PLANT	CTE CHANTILLY VA	C/FFP	ARMY OSCAR	Jan-01	Apr-01	VAR	1140	YES	N/A	
PENDLETON OUTSIDE PLANT UPGRADE	CTE CHANTILLY VA	C/FFP/O	ARMY OSCAR	Jan-01	Apr-01	VAR	10776	YES	N/A	
NETWORK INFRASTRUCTURE										
FY98	VARIOUS	C/FFP	SYSCOM/GSA	Apr-98	Jun-98	VAR	VAR	YES	N/A	
FY99	VARIOUS	C/FFP	SYSCOM/GSA	Jan-99		VAR	VAR	_	N/A	
FY00	VARIOUS	C/FFP	SYSCOM/GSA	Apr-00	Jun-00	VAR		_	N/A	
FY01	VARIOUS	C/FFP	SYSCOM/GSA	Apr-01	Jun-01	VAR		_	N/A	
ATLASS										
FY98	VARIOUS	C/FFP	NAVMASSO	Feb-98	Jun-98	VAR	VAR	YES	N/A	
FY99	VARIOUS	C/FFP	NAVMASSO	Mar-99	Jul-99	VAR	VAR	YES	N/A	
FY00	VARIOUS	C/FFP	NAVMASSO	Mar-00	Jul-00	VAR	VAR	YES	N/A	
FY01	VARIOUS	C/FFP	NAVMASSO	Mar-01	Jul-01	VAR	VAR	YES	N/A	
REMARKS:	1	l		ı	1	1	ı		·	

							Date:				
	Exhibi	t P-40, Budget I	tem Justific	cation Sheet					February 1999		
Appropriation / Budget Activity/	/Serial No:				P-1 Item Nomencla	ature:	•				
Procurement, Mai	rine Corps (1109) / Communications			MODFICAT	TION KITS MAGTE	C4I (P44623)					
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:						
	T T	T								1 1	
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost	54.5	23.6	33.8	13.8	30.9	38.7	32.2	23.4	15.1	Cont	Cont
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	54.5	23.6	33.8	13.8	30.9	38.7	32.2	23.4	15.1	Cont	Cont
Initial Spares		2.8	9.8	7.1	9.1	4.3	5.5				38.7
Total Proc Cost	54.5	26.4	43.6	20.9	40.0	43.0	37.7	23.0	15.1	Cont	Cont
Flyaway U/C											•
Wpn Sys Proc U/C											•

Modifications budgeted under this line are for the purpose of correcting equipment deficiencies noted after new items are fielded or to increase operational capabilities of non-telecommunication end items previously fielded.

The COMSEC Cable line is in support of various security systems being fielded including the KY-99 MINTERM, the Electronic Key Management System, the Data Transfer Device, and the STU-III. COMSEC cables will interface with various communication devices to include radios, switches, and computers and will provide secure transmissions at all times.

The AN/TPS-59 funding profile includes radar modifications which improve mean time between failure rates and enhanced performance characteristics. The TPS-59 radar upgrade provides three dimensional long range surveillance and detection against air breathing targets and tactical ballistic missiles. It provides launch/impact point and cueing information to other theater missile defense systems.

The MEWSS PIP is an Electronic Warfare (EW) suite of equipment configured in the highly mobile, survivable Light Armored Vehicle. The MEWSS-PIP is an evolutionary acquisition program that incorporates a rigorous P3I strategy. This program develops a material change for the current, outdated EW suite. Threat tactical communications have advanced to complex modulations requiring computer intensive, open architecture solutions. MEWSS fulfills the requirement to provide responsive EW support to maneuver commanders by enhancing the ability to defeat the enemy by isolating and suppressing opposing fire control and nets at a critical point in the battle. MEWSS will provide detection, location and demodulation of advanced tactical communications. MEWSS incorporates the U.S. Army's Intelligence and Electronic Warfare Common Sensor (IEWCS) Electronics.

The Direct Air Support Central (DASC) Product Improvement Program (PIP) is a non-developmental effort which will incorporate selected automation and existing hardware from the AN/TSQ-155(V), Improved Direct Air Support Central (IDASC), and the OE-334 Antenna Coupler Group into lightweight, highly mobile shelters. Improved capabilities include automated interfaces to the Digital Communications Terminal (DCT), Advanced Tactical Air Command Central (ATACC), Position Location Reporting System (PLRS), Advanced Field Artillery Tactical Data System (AFATDS), and Tactical Combat Operations (TCO).

		Date:
Exhibit P-40, Budget Item Justification Sheet		February 1999
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 032		MODFICATION KITS MAGTF C4I (P44623)

The MRC-142 is an Ultra-High Frequency (UHF) Digital Wideband Transmission System Radio Terminal Set used at the Marine Expeditionary Force, Division, Wing, and Force Service Support Group. It provides medium range, medium capacity, multi-channel trunking required by deployed forces to interconnect the Unit Level Circuit Switch (ULCS). The system is capable of providing up to two separate UHF radio paths in the 1350-1950 MHZ range, using line-of-sight for distances up to 35 miles, for interconnection of digital trunk groups at 144, 288, or 576 Kbps over a maximum of 36 channels. The pre-planned product improvement (PIP) for an uninterrupted power source (UPS) will enable the MRC-142 to maintain reliable communication in the event of external or vehicular power failure. With the Marine Corps moving into the digital battlefield arena, the digital information carried by the MRC-142 will affect more than just this system (depending on the location of the MRC-142, an entire network of operations may be affected).

INSTALLATION

	COMSEC CABLES	FIELD	BEGIN JAN 97/END SEP 06
	AN/TPS-59 RADAR MOD (97)	FIELD	BEGIN MAR 98/END AUG 99
	MEWSS-PIP	LMFEDERAL SYS	BEGIN DEC97/END JUN 04
		OWEGO, NY	
	IDASC PIP	NAWC, Crane, IN	BEGIN MAY 97/END JUN 99
	AN/MRC-142	FIELD	BEGIN AUG99/END AUG 00
ı			

INSTALLATION AGENT

MOD

		Ex	hibit P-40	a, Budge	t Item Jus	stification	n for Agg	regated It	tems	Date:		February 1999		
Appropriation / Budget Activity								P-1 Item Nome	nclature:					
Procurement, Marine 0	Corps / Com	nmunicatio	ns and Electroni	c Equipment						MODFICATIO	ON KITS MAGTI	C4I (P44623)		
Procurement Items	Code	e UOM Pri	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	02 FY 2003	FY 2004	FY 2005	To Complete	Total Prog
COMSEC CABLES		D			0.8	1.0	1.0	1.0	1.0	1.1	1.1	1.2	CONT	CONT
		Q												0.0
AN/MRC 142 PIP (UPS)		D			0.0	1.8	5.5	0.5	0.0	0.0	0.0	0.0	0.0	7.8
		Q												0.0
AN/MLQ-36A (MEWSS)		D			14.3	21.3	5.0	28.0	33.8	10.3	4.4	3.2	CONT	CONT
		Q												0.0
AN/TPS-59 ECPs		D			5.5	8.3	1.3	1.4	3.8	20.8	18.0	10.7	0.0	69.8
		Q												0.0
AN/TPS-59 GPA-123 IFF ANTENNAS		D			0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1
		Q												0.0
DASC		D			3.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4
		Q												0.0
														0.0
														0.0
														0.0
														0.0
														0.0
														0.0
														0.0
														0.0
														0.0
														0.0
														0.0
														0.0
														+
														0.0

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ But Procurement,	-	r/Serial No: rps (1109) / Commu	unications and		m Nomenclature: DFICATION KITS	MAGTF C4I (P44	623)	Weapon System	Type:	Date: Feb	ruary 1999
<u> </u>			Electronic E	Equipment (4) / 032				- · · · · · · · ·	ĺ				,
Weapon System	ID		FY 98			FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
	-	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
COMSEC CABLES		833			975			961					
AN/TPR-59 ECP'S		5476			8322								
AN/TPS-59 DASC		0000			4.400			1314					
DASC		3008			1402			1066					
MEWSS: SENSOR PACKAGE		4489	1	4489000									
MEWSS: INSTALLATION		7520		110000	5890								
MEWSS: PRODUCTION ENGR/ECP		1266			11477			1200					
MEWSS: TRAINING/ILS MEWSS: GENERAL SUPPORT		1025			3724			3550					
					200			215					
SUBTOTAL		23617			31990			8306					
AN/MRC-142: (UPS)					1551	486	319135						
AN/MRC-142: INSTALLATION KITS					60								
AN/MRC-142: TRAVEL					29								
AN/MRC-142: INTEGRATED LOG SUPPORT AN/MRC-142: TRAINING					145			440					
					62			410					
AN/MRC-142: SMAK								4695	18	260833			
AN/MRC-142: INSTALLATION KITS AN/MRC-142: TRAVEL								90					
AN/MRC-142: TRAVEL AN/MRC-142: INTEGRATED LOG SUPPORT								30 200					
AN/MRC-142: TRAINING								90					
SUBTOTAL					1847			5515					
TOTAL		23617			33837			13821					
Active		23017			33358			13821					
Reserve		396			479			10021					
	1												

Appropriation / Budget Activity/Serial No:	xhibit P-5a, Budget Procurement	Weapon Syste			P-1 Line Item Nomenclature:					
Procurement, Marine Corps (1109) / Communications and E	Electronic	weapon Syste	ын туре.		P-1 Line item		e: ATION KITS MAGT	F C4I (P4	4623)	
Equipment (4) / 032 VBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs	Date	RFP Iss
iscal Years		Method and Type			Delivery	Each	\$	Avail?	Revsn Avail	Date
IEWSS: SENSOR PACKAGE										
Y 98	Lockheed Martin Fed Sys Owego,NY	FFP/STFDO	CECOM Ft Monmouth N.J.	May-98	Jul-99	1	4489000	Yes	No	
Y 99	Lockheed Martin Fed Sys Owego,NY		CECOM Ft Monmouth N.J.	May-99		VAR	VAR	Yes	No	
	200 maran r oa eye e mege, r r	,	OLOGIN I CINOMINOGRI I V.O.	may co	04.00	Viul	7,11	100	110	
N/MRC-142: (UPS)										
Y 99	TBD	FFP	QUANTICO VA	Jan-99	Aug-99	486	319135	Yes	No	
N/MRC-142: SMAK										
Y 00	TBD	FFP	QUANTICO VA	Jan-00	Aug-00	18	260833	Yes	No	
REMARKS:	•		•	•	•				•	

INDIVIDUAL MODIFICATION Date February 1999 AN/MLQ-36A (MEWSS) 3 MODIFICATION TITLE: MODELS OF SYSTEMS AFFECTED: MOBILE ELECTRONIC WARFARE SUPPORT SYSTEM (AN/MLQ-36) PIP DESCRIPTION / JUSTIFICATION: The MEWSS PIP is an Electronic Warfare (EW) suite of equipment configured in the highly moble, survivable Light Armored Vehicle. The MEWSS-PIP is an evolutionary acquisition program that incorporates a rigorous P3I strategy. This program develops a material change for the current, outdated EW suite. Threat tactical communications have advanced to complex modulations requiring computer intensive, open architecture solutions. MEWSS fulfills the requirement to provide responsive EW support to maneuver commanders by enhancing the ability to defeat the enemy by isolating and suppressing opposing fire control and nets at a critical point in the battle. MEWSS will provide detection, location and demodulation of advanced tactical communications. MEWSS incorporates the U.S. Army's Intelligence and Electronic Warfare Common Sensor (IEWCS) Electronics. DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES PHASE II-ENGINEERING DEVELOP MODEL (EDM) 4TH QTR FY97 ENGINEERING AND MANUFACTURING DEVELOPMENT/LOW RATE INITAL PRODUCTION MSII A-LOW RATE INITIAL PRODUCTION (LRIP) 1ST QTR FY97 PHASE I OPERATIONAL TESTING 4TH QTR FY98 PHASE II PRODUCTION ECP ACTIVITY FY99 ELECTRONIC ATTACK INTEGRATION FY99 OPERATIONAL TESTING 4TH QTR FY00/QTY OF 2IN 3RD QTR FY98 ARE FOR INSTALLATION OF SENSOR PACKAGES BOUGHT IN FY97. Installation Schedule: Pr Yr FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 Totals 3 3 1 3 2 1 4 Inputs Outputs FY 2003 FY 2004 FY 2005 Totals FY 2006 To 3 Complete Inputs 10 Outputs 10 METHOD OF IMPLEMENTATION: CONTRACTOR PRODUCTION LEADTIME: ADMINISTRATIVE LEADTIME: Months 14 Months Contract Dates: FY 1998 MAY 98 FY 1999 MAY 99

JUL 00

FY 1999

Delivery Date:

FY 1998

JUL 99

					IN	DIVIDUA	L MOD	IFICATIO	N							Date		Febru	ary 1999)
MODIFICATION TITLE (Cont):		AN	I/MLQ-	36A (N	1EWS	S) 3														
FINANCIAL PLAN: (\$ in Millions)																				
		1998																		
		l Prior	FY 19			2000		2001		2002		2003		2004		2005		ΓC		TOTAL
DDT05	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
PROCUREMENT																				
Kit Quantity		40.000						47.040		4.040		0.000		0.050					4.0	00.740
Inst Kits, Nonrecurring	3	13.089	0		0		4	17.040	1	4.810	1	0.960	1	0.850					10	36.749
															_				4.0	
Equipment, Nonrecurring									4	2.200	1	0.600			5	2.000			10	4.800
ECO		1.266		11.477		1.200		3.350												17.293
Other		3.545	4	3.924		3.765		2.920		10.030		3.671		0.313					4	28.168
Installation of Hardware																				
FY 1998 & Prior Eqpt 3 Kits	2	7.520	1	5.890															3	13.410
FY 1999 Eqpt 2 Kits																				
FY 2000 Eqpt 3 Kits							1	4.700											1	4.700
FY 2001 Eqpt 3 Kits									4	16.760									4	16.760
FY 2002 Eqpt 1 kits											1	5.115							1	5.115
 FY 2003 Eqpt kits													1	3.200					1	3.200
FY 2004 Eqpt kits															1	1.220			1	1.220
FY 2005 Eqpt kits																0				
(FY(TC) Eqpt (xx kits)																				
Installment Cost		7.520		5.890				4.700		16.760		5.115		3.200		1.220			11	44.405
Total Procurement Cost		25.420		21.291		4.965		28.010		33.800		10.346		4.363		3.220			1 1	131.415

INDIVIDUAL MODIFICATION Date February 1999 AN/MRC 142 PIP (UPS) 2 MODIFICATION TITLE: MODELS OF SYSTEMS AFFECTED: MRC-142 PRE PLANNED PRODUCT IMPROVEMENT (PIP) DESCRIPTION / JUSTIFICATION: THIS PRE-PLANNED PRODUCT IMPROVEMENT (PIP) FOR AN UNINTERRUPTED POWER SOURCE (UPS) WILL ENABLE THE MRC-142 TO MAINTAIN RELIABLE COMMUNICATION IN THE EVENT OF EXTERNAL OR VEHICULAR POWER FAILURE. WITH THE MARINE CORPS MOVING INTO THE DIGITAL BATTLEFIELD ARENA, THE DIGITAL INFORMATION CARRIED BY THE MRC-142 WILL AFFECT MORE THAN JUST THE MRC-142. (DEPENDING ON THE LOCATION OF THE MRC-142 AN ENTIRE NEWTORK OF **OPERATIONS MAY BE AFFECTED.)** DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES N/A. THIS ASSET WILL BRING MARINE EXPEDITIONARY UNIT (MEU) COMMANDERS A VERSATILE SHIP/SHORE CAPABILITY. THE NAVY IS REMOVING ALL AN/VCC-2'S (PREDECESSOR TO THE DWTS) IN PREPARATION FOR ARRIVAL OF THE NEW DWTS. THIS ACTION TAKES AWAY A MARINE COMMUNICATION ASSET. Installation Schedule: Pr Yr FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 Totals 3 3 3 1 3 486 Inputs 486 Outputs FY 2003 FY 2004 FY 2005 FY 2006 To Totals 3 Complete Inputs 486 Outputs 486

JAN 99

AUG 99

3 Months

PRODUCTION LEADTIME:

JAN 00

AUG 00

FY 2000

FY 2000

7 Months

ADMINISTRATIVE LEADTIME:

FY 1999

FY 1999

N/A

N/A

FY 1998

FY 1998

METHOD OF IMPLEMENTATION: Field Installed

Contract Dates:

Delivery Date:

MODIFICATION TITLE (Cont): FINANCIAL PLAN: (\$ in Millions)		AN	I/MRC	1/2 DI	D 0 //															
FINANCIAL PLAN: (\$ in Millions)				14211	P 2 (L	JPS)														
``	FY 1	1998																		
		Prior	FY 1			2000		2001		2002		2003		2004		2005		C	TO	
H	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
PROCUREMENT			486																486	
Kit Quantity																				
Inst Kits, Nonrecurring				0.060																0.060
Equipment, Nonrecurring				1.551																1.551
ECO																				
0.1																				
Other						0.440														
TRAINING SUPPORT				0.062		0.410														0.472
ILS TDAY/FI				0.145																0.145
TRAVEL				0.029																0.029
Installation of Handware																				
Installation of Hardware																				
FY 1998 & Prior Eqpt Kits																				
FY 1999 Eqpt Kits																				
FY 2000 Eqpt Kits FY 2001 Eqpt Kits																				
FY 2002 Eqpt kits FY 2003 Eqpt kits			-																	
FY 2003 Eqpt kits																				
FY 2004 Eqpt kits FY 2005 Eqpt kits																				
(FY(TC) Eqpt (xx kits)																				
Installment Cost																	1			
Total Procurement Cost				1.847		0.410														2.257

					IN	DIVIDUA	L MOD	IFICATION	ON							Date		Febru	ary 1999	
MODIFICATION TITLE (Cont):		ΑN	N/MRC	C-142 S	HORE	MOUN	IT AC	CESSO	ORY K	IT (SM	AK)									
FINANCIAL PLAN: (\$ in Millions)			-																	
		1998		1000		0000		0004		0000		0000		0004	T 51/	0005		-	TO:	T A I
	Qty	Prior \$	Qty	1999	Qty	2000 \$	Qty	2001	Qty	2002	Qty	2003	Qty	2004	Qty	2005	Qty	C \$	Qty	TAL \$
RDT&E	Qty	φ	Qty	Ψ	Qty	Φ	Qly	Ф	Qiy	Φ	Qty	φ	Qiy	Φ	Qty	φ	Qiy	Ф	Qiy	Φ
PROCUREMENT																				
Kit Quantity					18	0.090													18	0.090
					10	4.695													10	4.695
Inst Kits, Nonrecurring						4.695														4.695
Favinas and Names according																				
Equipment, Nonrecurring																				
500																				
ECO																				
Other																				
TRAINING SUPPORT						0.090		0.481												0.571
INTEGRATED LOG SPT						0.200														0.200
TRAVEL						0.030														0.030
Installation of Hardware																				
FY 1998 & Prior Eqpt Kits																				
FY 1999 Eqpt Kits																				
FY 2000 Eqpt Kits																				
FY 2001 Eqpt Kits																				
FY 2002 Eqpt kits																				
FY 2003 Eqpt kits																				
FY 2004 Eqpt kits																				
FY 2005 Eqpt kits																				
(FY(TC) Eqpt (xx kits)																				
Installment Cost																				
Total Procurement Cost						5.105		0.481			1						1		1	5.586

							Date:								
	Exhibi	it P-40, Budget l	tem Justifi	cation Sheet					February 1999						
Appropriation / Budget Activity	/Serial No:				P-1 Item Nomencla	ature:	<u> </u>								
Procurement,	Marine Corps (1109) / Communicat	ions and Electronic Equipm	ent (4)		AIR OPERATIONS C2 SYSTEMS (P44447)										
Program Elements for Code B	Items:		Code:	Other Related Pro	gram Elements:										
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog				
Proc Qty	Thor rears	1 1 1990	111333	112000	1 1 2001	1 1 2002	1 1 2003	112004	1 1 2003	To Complete	Total Flog				
Gross Cost	10.9	11.1	8.2	4.2	3.2	17.6	41.9	88.5	101.4	Cont	Cont				
Less PY Adv Proc															
Plus CY Adv Proc															
Net Proc (P-1)	10.9	11.1	8.2	4.2	3.2	17.6	41.9	88.5	101.4	Cont	Cont				
Initial Spares	0.4	0.2		2.0		0.2	1.6	3.0	3.2						
Total Proc Cost	11.3	11.3	8.2	6.1	3.2	17.8	43.5	91.5	104.6	Cont	Cont				
Flyaway U/C															
Wpn Sys Proc U/C															

Air OperationsC2 coordinates and plans Navy and Marine air combat operations and interfaces with joint and combined forces air operations. It also interfaces with fire support C2. The systems in this line are used to detect aircraft and missiles, process the detected information, deliver the processed information to the Advanced Tactical Air Command Central (ATACC), and conduct the air battle.

This is the rolled line consisting of the following:

TAOM - Tactical Air Operations Module - An electronic tactical data system which, when supported with sensors, power sources, support equipment, and personnel, provides the Marine Corps with the capability of integrating air defense, supplemental enroute traffic control management, and data link to external agencies for real time exchange of tactical air date.

TBMCS - Theater Battle Management Core System (formerly CTAPS) - An evolutionary acquisition, allowing for the rapid development/fielding of hardware and software to meet todays rapidly advancing technology.

CAC2S - Common Aviation Command and Control System - Provide a complete and coordinated modernization effort for the equipment of the Marine Air Command and Control System (MACCS) to support its employment in an Operational Maneuver From The Sea (OMFTS) environment.

CEC - Cooperative Engagement Capability - Enables all ECE-equipped, Anti-Air Warfare (AAW) weapons systems in a battle force to operate as a single distributed AAW weapon system. This is accomplished providing timely sharing of fire control quality sensor data, correlated identification data and AAW weapons system management status via a Data Distribution System (DDS).

CID - Combat Identification - Provide the ability to distinguish friends, foes, and neutrals on the battlefield through the use of situation awareness and target identification.

										Date:				
		Ex	hibit P-40	a, Budge	t Item Ju	stificatior	n for Agg					February 1999		
Appropriation / Budget Activity								P-1 Item Nome	nclature:					
Procurement, Marine Corps											IONS C2 SYST			
Procurement Items	Code	UOM	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
TAOM	Α	D			10.7	6.7	0.0	0.0	0.0	0.0	0.0	0.0		17.4
	1	Q			19									19
TBMCS	Α	D			0.4	1.5	4.2	3.2	3.4	2.5	6.7	3.6	Cont	Cont
		Q				1								1
CAC2S	В	D								19.8	43.9	46.0	Cont	Cont
		Q												
Cooperative Engagement Capability (CEC)	В	D							14.1	19.6	21.8	28.7	Cont	Cont
		Q												
Combat Identification System (CID)	В	D									16.0	23.2	Cont	Cont
		Q												
			<u> </u>											
		_												
	1													

							Date:									
	Exhibi	it P-40, Budget I	ltem Justific	cation Sheet					February 1999							
Appropriation / Budget Activity	/Serial No:				P-1 Item Nomencla	ature:	•									
Procurement,	Marine Corps (1109)/ Communicati	ons and Electronic Equipme	ent (4)		MAGTF CSSE & SE (P44666)											
Program Elements for Code B	Items:		Code:	Other Related Prog	er Related Program Elements:											
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog					
Proc Qty										1						
Gross Cost				8.3	8.5	12.1	7.3	4.4	4.9	Cont	Cont					
Less PY Adv Proc																
Plus CY Adv Proc																
Net Proc (P-1)		0.0	0.0	8.3	8.5	12.1	7.3	4.4	4.9	Cont	Cont					
Initial Spares																
Total Proc Cost				8.3	8.5	12.1	7.3	4.4	4.9	Cont	Cont					
Flyaway U/C																
Wpn Sys Proc U/C																

The MAGTF Combat Service Support Element & Supporting Establishment (CSSE & SE) consist of mutually supporting Logistics Information Technology (IT) programs that support force deployment, planning, and execution; sustainment and distribution; and contribute to the CINC's Common Operating Picture (COP) to support rapid, accurate decision making.

This is a rolled line consisting of:

Atlass PIP - The capability represents a deployable capability that will be used in the tactical deployed areas of the Marine Corps, as well as in garrison. The ATLASS PIP program funds the improvement of the fielded ATLASS II+ system as well as the migration of base and station (non-deployable) USMC intermediate and consumer level supply and maintenance systems from a mainframe environment into a personal computer application using a networked client server architecture.

TC-AIMS II - Will be used by Command Elements, Traffic Management Offices, and all Operating Force deploying units to automate the processes of planning, organizing, coordinating, and controlling deployment, redeployment, and sustainment activities worldwide, in peace as well as during contingencies.

Total Force Structure Management System (TFSMS)

Automated Identification Technology (AIT) - A generic name given to devices used to automate data collection in a variety of applications, with the goal of providing cost saving by expediting the collection of accurate data.

MAGTF Logistics AIS Infrastructure - A family of coordinated, mutually supporting, automated systems designated to support deliberate and crisis action/time-sensitive planning, deployment, employment and redeployment of a MAGTF in independent, joint, and/or combined operations.

Manpower Automated Information System - Provides funding for the automated data processing to support users of Manpower systems being reengineered into a client-server environment.

Data Warehousing - Decision support tools integrate with the data warehousing products to provide essential logistics information for commanders to make critical decisions.

		Ex	hibit P-40a	a, Budge	t Item Ju	stification	n for Agg	regated I	tems	Date:		February 1999		
Appropriation / Budget Activity								P-1 Item Nome	nclature:					
Procurment, Marine Corps (1109) / C	ommunic	ations and Electro	onic Equipment						MAGT	F CSSE & SE (F	P44666)		
Procurement Items	Code	UOM	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
ATLASS PIP		D			0.0	0.0	0.0	0.0	2.6	1.2	0.4	0.5	Cont	4.7
TC AIMS II		D			0.0	0.0	4.5	4.6	4.1	0.0	0.0	0.0		13.2
MAGTF LOG AIS		D			0.0	0.0	2.1	2.3	2.3	2.0	0.0	0.0		8.8
TOTAL FORCE STRUCTURE MANAGEMENT SYSTEM		D			0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0		0.2
MANPOWER AUTOMATED INFO SYS SUPPORT		D			0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	Cont	1.3
DATA WAREHOUSING		D			0.0	0.0	0.0	0.2	1.8	1.6	1.7	1.8	Cont	7.1
AUTOMATED INFORMATION TECHNOLOGY		D			0.0	0.0	1.5	1.2	1.2	2.0	2.1	2.4	Cont	10.4